



# STIC Search Report

## EIC 3600

STIC Database Tracking Number: 160880

TO: Igor Borissov  
Location: 5D27  
Art Unit : 3639

Case Serial Number: 09840451

From: Bode Akintola  
Location: EIC 3600  
KNX 4 B 59  
Phone: 571-272-3514

Olabode.akintola@uspto.gov

### Search Notes

Examiner Igor,

Please find enclosed the results of your search request.

If you need a refocus, please feel free to contact me.

Thanks,

Bode

PART 1: WILL CONTINUE  
TOMORROW  
- BODE.

**Borissov, Igor**

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**From:** Akintola, Olabode (ASRC)

**Sent:** Thursday, July 28, 2005 12:43 PM

**To:** Borissov, Igor

32/9/7 (Item 2 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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08223616 Supplier Number: 69242437 (THIS IS THE FULLTEXT)

**Hewlett-Packard Corrects and Replaces Previous Product Announcement, BW0390, CA-HEWLETT-PACKARD.**

Business Wire, p0664

Jan 16, 2001

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 834

TEXT:

Business Editors/High Tech Writers

NOTE: The following news release replaces and corrects the previous Hewlett-Packard news release, which ran earlier Tuesday on Business Wire, BW0390 (CA-HEWLETT-PACKARD).

PALO ALTO, Calif.--(BUSINESS WIRE)--Jan. 16, 2001

**HP Strengthens Service Provider Offerings with Rack-optimized HP Netserver and Storage Solutions**

Hewlett-Packard Company (NYSE:HWP) today continued its commitment to service providers and corporate data centers with the announcement of the **HP Netserver LP 1000r** and **HP Netserver LP 2000r** systems, the **HP Surestore Disk System 2100**, the **HP Surestore Tape Array 5300** and **HP Surestore Ultrium 215**. These new offerings further strengthen **HP** 's full range of solutions and programs to fulfill **HP** 's vision of an always-on Internet infrastructure.

**HP Netserver Systems**

The **HP Netserver LP 1000r** and **HP Netserver LP 2000r** systems enhance one of the industry's most comprehensive rack-optimized PC server lines. The **HP Netserver LP 1000r** system is a powerful, high-density, ultra-thin PC server that delivers performance, scalability and value. The 1U (1.75-inch) form factor allows up to 42 servers in a 2-meter rack, making it ideal for Web-hosting and infrastructure applications such as proxy, caching, access, DNS, firewall and load-balancing. In addition, the **HP Netserver LP 1000r** system is an excellent choice as a dedicated application server.

The **HP Netserver LP 2000r** system combines unprecedented expandability, high availability and manageability in a 2U form factor. The system offers easy in-rack serviceability and comprehensive rack solutions. This server is ideal for traffic-intensive applications such as Web/application hosting, e-commerce, messaging and collaboration, and server-based computing applications.

**HP** continues to offer a broad range of accessories that enable **HP** Netserver customers to build the configuration requirements they need. Today, **HP** also announced the **HP NetRAID 1M** and **2M** disk array controller that delivers Ultra3 SCSI performance and cost-effective data protection for internal and external storage.

**HP** continues to develop a range of programs for service providers

7/28/05

including financing and investment, demand generation and partner programs, technical services and support, solutions, product fulfilment and HP Netserver promotions. Today, HP also is announcing utility financing<sup>(1)</sup> for Netserver to allow service providers rapid growth and improved return on investment. Utility financing for Netserver, an industry-leading variable leasing program enabled by HP Smart Internet Usage software, allows service providers to make monthly lease payments based on metered server usage.

#### HP Storage Solutions

HP's storage portfolio offers service providers complementary products to the HP Netserver with comprehensive space-saving storage solutions that maximize a customer's investment in secure, on-line and off-line storage.

The HP Surestore Disk System 2100 is a 1U rack-optimized, 4-slot disk system that provides a flexible, compact solution for desk-side, desktop and rack configurations, allowing customers to easily expand their storage capacity in a variety of environments.

HP Surestore Ultrium 215, part of the open standard Ultrium tape drive family, addresses data protection needs by providing 1U/2U customers with an entry point to high-performance, worry-free backup. Enhancing the Ultrium 215 is the HP Surestore Tape Array 5300 scalable rack enclosure, which allows between one and four Ultrium 215s to be racked in a 3U space. Pricing and Availability

#### -- The HP

Netserver LP 1000r is currently available with an estimated U.S. street price of \$3,799<sup>(2)</sup>.

#### -- The HP

Netserver LP 2000r is expected to be available and priced in early spring 2001.

#### -- The HP

Surestore Tape Array 5300 is expected to be available April 1, 2001, with an estimated U.S. street price of \$700<sup>(2)</sup>.

#### -- The HP

Surestore Disk System 2100 is expected to begin shipping on March 1, 2001, with an estimated U.S. street price starting at under \$500<sup>(2)</sup>.

#### -- The HP

Surestore Ultrium 215 rack mount tape drive is expected to begin

shipping on March 1, 2001, with an estimated U.S. street price starting at \$3,900<sup>(2)</sup>.

For more information visit [http://www. hp .com/](http://www.hp.com/).

#### About HP

Hewlett-Packard Company -- a leading global provider of computing and imaging solutions and services -- is focused on making technology and its benefits accessible to individuals and businesses through simple appliances, useful e-services and an Internet infrastructure that's always on.

HP has 88,500 employees worldwide and had total revenue from continuing operations of \$48.8 billion in its 2000 fiscal year. Information about HP and its products can be found on the World Wide Web at [http://www. hp .com](http://www.hp.com).

(1) Currently available in the U.S. only.

(2) Actual prices may vary.

This news release contains forward-looking statements that involve risks, uncertainties and assumptions. All statements other than statements of historical fact are forward-looking statements. Risks, uncertainties and

assumptions include the possibility that the market for the sale of certain products and services may not develop as expected; that development of these products and services may not proceed as planned; and other risks that are described from time to time in HP 's Securities and Exchange Commission reports, including but not limited to the annual report on Form 10-K for the year ended Oct. 31, 1999, and subsequently filed reports. If any of these risks or uncertainties materializes or any of these assumptions proves incorrect, HP 's results could differ materially from HP 's expectations in these statements. HP does not intend to update these forward-looking statements.

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PUBLISHER NAME: Business Wire

COMPANY NAMES: \*Hewlett-Packard Co.

PRODUCT NAMES: \*3573000 (Computers & Peripherals); 3573102 (Servers (Computers))

INDUSTRY NAMES: BUS (Business, General); BUSN (Any type of business)

SIC CODES: 3571 (Electronic computers)

NAICS CODES: 334111 (Electronic Computer Manufacturing)

TICKER SYMBOLS: HWP

SPECIAL FEATURES: LOB; COMPANY

?



Set	Items	Description
S1	443694	ENERGY OR UTILITY OR ELECTRICITY OR UTILITIES
S2	458239	TRACK? OR MONITOR? OR TRACING
S3	15406	RENTAL OR RENTING OR RENTED OR RENTS OR LEASE? ? OR LEASING
S4	1568908	USE OR USEAGE OR USAGE OR USING
S5	897320	RATE? ? OR BILL??? OR CHARG? OR FEE OR FEES
S6	1451193	EQUIPMENT OR MERCHANDI? OR DEVICE? ? OR ELECTRONIC? ? OR G- ADGET? ? OR MACHINE? OR APPLIANCE?
S7	262	S3(5N)S5(5N)S4
S8	6291	S1(5N)S2
S9	17	S7 AND S8

? show file

File 348:EUROPEAN PATENTS 1978-2005/Jul W03

(c) 2005 European Patent Office

File 349:PCT FULLTEXT 1979-2005/UB=20050721,UT=20050714

(c) 2005 WIPO/Univentio

10/3,K/1 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2005 The Gale Group. All rts. reserv.

02965247 Supplier Number: 98371930  
**Enalasys Corp. (Regional Roundup: West).**  
**(company to raise \$5 million)**  
Private Equity Week, v 10, n 7, p 5  
February 24, 2003  
DOCUMENT TYPE: Newsletter; News Brief ISSN: 1099-341X (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 106

TEXT:  
...5,000 is required on the placement. The company, which develops and manufacturers products for **monitoring** air quality and **energy** efficiency heating, ventilating and air-conditioning systems, intends to **use** the proceeds from the offering for salaries and **fees**, construction or **leasing** of plant buildings and facilities, research, development, sales and marketing expenses, working capital and other...

10/3,K/2 (Item 2 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
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02567632 Supplier Number: 25002922 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Vacuum Injection Molding Turns Fringe Business Into Successful Enterprise**  
**(Haruna Co, which began in mold bases, then moved to injection molding**  
**machines, then moved into third-party production)**  
Modern Plastics, v 78, n 10, p 50+  
October 2001  
DOCUMENT TYPE: Journal ISSN: 0026-8275 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 1133

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:  
...its stable of 18 all-electric molding machines, but because of outside interest, it has **leased** 10 systems. Some are **using** Ecomak solely to cut reject **rates** and mold maintenance.

The outside interest is helping Haruna refine and optimize the system, as ...

...to 'monitors' on the condition that they provide us with performance data," notes Kitaoka. The **monitors**, which include major **electrical** /electronics firms, have also agreed to purchase their Ecomak units outright at the end of...

10/3,K/3 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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02115935 67526779  
**The energy marketplace**  
Bell, John

Journal of Property Management v66n1 PP: 32-37 Jan/Feb 2001  
ISSN: 0022-3905 JRNL CODE: JPM  
WORD COUNT: 2629

...TEXT: In the case of an office building, are you going to build energy costs into **lease rates** or **use** technology to allocate exact energy costs to tenants? Does the management company want to realize...

...specific energy-related goals that are realistic and measurable. This will allow the user to **track energy** usage and compare usage to the goals set forth.

Jim Josephson, director of strategic business...

10/3,K/4 (Item 2 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01178377 98-27772

**The fragmented rail network**

Hope, Richard

Consumer Policy Review v6n1 PP: 18-21 Jan/Feb 1996

ISSN: 0961-1134 JRNL CODE: CPW

WORD COUNT: 3185

...TEXT: lorries or ships, for that matter. A train must match precisely the technical characteristics of **track**, signalling and **electric** power supply which seriously limits the scope for switching rolling stock from one line to...

...producing profits of around 100 million a year, but now that rolling stock must be **leased** and Railtrack levies heavy **charges** for track **use**, few if any passenger services are actually profitable.

Bureaucratic nightmare

This situation reflects not just...

10/3,K/5 (Item 3 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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00819831 94-69223

**The inside story**

Shaw, Art

Successful Meetings v43n1 (Part 1) PP: 104-107 Jan 1994

ISSN: 0148-4052 JRNL CODE: SMM

WORD COUNT: 1323

...TEXT: the equipment for two or more days. To shave even more dollars off your audiovisual **rental rates**, find out what groups are **using** the facility ahead of you and ask if they are willing to share the equipment...

...meeting supplies to the function room. Finally, if you are planning on bringing computers, copiers, **monitors**, or other large **electrical** equipment to your meeting, check with the hotel to see if any extra electrical costs...

10/3,K/6 (Item 1 from file: 16)  
DIALOG(R) File 16:Gale Group PROMT(R)  
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09077640 Supplier Number: 79128712 (USE FORMAT 7 FOR FULLTEXT)  
**Vacuum Injection Molding Turns Fringe Business. (Haruna Co. uses innovative technology in its injection molding business)**  
MOORE, STEPHEN  
Modern Plastics, v78, n10, p50  
Oct, 2001  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1242

... its stable of 18 all-electric molding machines, but because of outside interest, it has **leased** 10 systems. Some are **using** Ecomak solely to cut reject **rates** and mold maintenance.

The outside interest is helping Haruna refine and optimize the system, as...

...to 'monitors' on the condition that they provide us with performance data," notes Kitaoka. The **monitors**, which include major **electrical** /electronics firms, have also agreed to purchase their Ecomak units outright at the end of...

16/3,K/1 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2005 ProQuest Info&Learning. All rts. reserv.

00795498 94-44890  
**NYS and NYC on lease related payments**  
Fineman, Marshall  
CPA Journal v63n12 PP: 70-71 Dec 1993  
ISSN: 0732-8435 JRNL CODE: CPA  
WORD COUNT: 855

...TEXT: lease provisions. The first of these provisions is the submetering clause, regarding which charges are **based** upon a tenant's actual **use** of the particular **utility** service involved. Another means of recovering costs is the use of a rent inclusion provision...

...50 per square foot or based upon engineering surveys). Finally, although less common, a lumpsum **rental charge** clause will include a nondesignated utility service **charge** in the total **rental**.

Distinguishing among these types of lease clauses is more than a matter of economics; it...

16/3,K/2 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

0017538289 SUPPLIER NUMBER: 116930487 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Current labor statistics. (Illustration)**  
Monthly Labor Review, 127, 3, 55(68)  
March, 2004  
DOCUMENT TYPE: Illustration ISSN: 0098-1818 LANGUAGE: English  
RECORD TYPE: Fulltext  
WORD COUNT: 29258 LINE COUNT: 09098

... more recent years for France, Germany, Italy, the Netherlands, and the United Kingdom are calculated **using** adjustment factors **based** on labor force surveys for earlier years and are considered preliminary. The recent-year measures...779 222,039

Civilian labor force	146,652	146,622	146,610	146,892
Participation <b>rate</b>	66.3	66.2	66.1	66.2
Employed	137,604	137,693	137,644...	

16/3,K/3 (Item 2 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

15531122 SUPPLIER NUMBER: 96696932 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Benchmark input-output accounts of the United States, 1997.**  
Lawson, Ann M.; Bersani, Kurt S.; Fahim-Nader, Mahnaz; Guo, Jiemin  
Survey of Current Business, 82, 12, 19(91)  
Dec, 2002  
ISSN: 0039-6222 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 60320 LINE COUNT: 27240

... standard tables, four requirements tables, and bridge tables. (16)  
Standard tables

The standard make and use tables are based on the North ...

insurance (s.)		
Total	9,619	...
5240 Insurance carriers and related services	9,619	...
Brokerage charges and investment counseling (s.)		
Total	59,736	...
52A0 Monetary oversight and credit intermediation	2,064	...
5230...		

?

19/3,K/1 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
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01492707 Supplier Number: 24159948 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Electric Vehicles Jockey For Market Share**  
**(Fourteenth Electric Vehicle Symposium reveals maturing EV technology;**  
**Ford, Daimler-Benz and Ballard Power Systems form joint venture)**  
Automotive Industries, p 105+  
February 1998  
DOCUMENT TYPE: Journal ISSN: 0886-4675 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 1676

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...Chrysler says SAFT America Inc. will supply NiMH batteries for all of its second-generation **electric** minivans that previously **used** Electrosources lead-acid batteries. SAFT, **based** in Valdosta, Ga., is a licensee of Ovonic Battery Co. Inc., Troy, Mich. The agreement...

...the EPIC to commercial and government fleets in New York and California through a monthly **lease** rate of \$450, with no downpayment and for a three-year term. As an option, Chrysler is offering a one-time, single-**lease** payment of \$15,000 for a three-year term. "The (NiMH) battery will improve the...

19/3,K/2 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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02207515 75514440  
**HP launches usage-based pricing for leased servers**  
Greenemeier, Larry  
Informationweek n846 PP: 32 Jul 16, 2001  
ISSN: 8750-6874 JRNL CODE: IWK  
WORD COUNT: 378

...TEXT: BRING COSTS IN LINE WITH USE

Hewlett-Packard last week launched the industry's first **usage - based utility** pricing program, a move designed to help new Superdome and NetServer customers align IT costs...

...capacity used during a monthly billing period.

Pay-per-use billing applies to customers that **lease** new 32-way or 64-way Unix-based Superdome or Intel-based NetServer servers through...

19/3,K/3 (Item 2 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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02095808 64965825  
**Vacation homes**  
Lavin, David; Lubell, Myron S  
Tax Adviser v31n12 PP: 840-843 Dec 2000

...TEXT: d) (1)).

Provided a taxpayer demonstrates a profit motive, a vacation home will fall under **rental** property tax laws instead of personal residence tax laws, based on the taxpayer's limited use. Use is determined by a formula in which a vacation home must be **rented** for more than 14 days in a year and the personal use does not exceed 14 days or 10% of the **rental** days, whichever is greater (Sec. 280A(d)(1)).

If a vacation home is **rented** for 210 days and its owner occupies it for 21 days, the Service considers the home **rental** property, because the **rental** exceeds 14 days and the personal usage does not exceed 21 days (the greater of 14 days or 10% of the **rental**). If, however, the personal use was 22 days (thereby exceeding the 10% rule), the personal residence deduction rules would apply. Once the **rental** property is classified as a personal residence, deductibility of the various expenses must be computed ...

...vacation home. The total number of days used in the assumed facts is 231 (210 **rented** + 21 personal), with 9.09% (21/231 days) personal use and 90.91% (210/231 days) **rental** use.

Under the courts' approach, the numerator would be the same, but the denominator would...

...365. The taxpayer can deduct a percentage of all other operating expenses, such as maintenance, **utilities**, insurance, depreciation, etc. The denominator **used** for the other expenses is **based** on the number of days **used** (not on 365), regardless of what is used for interest and taxes.

Income or loss is determined on Schedule E by netting the **rental** portion of the expenses against the **rental** revenue. Even if a taxpayer ends up with a loss on Schedule E, there are...

...in determining whether the loss is deductible, notably the Sec. 469 passive-loss rules.

A **rental** activity is a passive activity even if there is material participation (with the exception of...

...tax year only to the extent he has passive income from other sources (e.g., **rental** properties that produce gains). However, Sec. 469 allows taxpayers with adjusted gross income under \$100,000 to take a deduction of up to \$25,000 for passive **rental** real estate losses. The deduction is allowed if the taxpayer "actively participates" in the property...

...services such as repairs. Management decisions could include active participation in approving new tenants, deciding **rental** terms or approving expenditures for capital or repair purposes. If a taxpayer cannot currently take...

19/3,K/4 (Item 3 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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02052173 57305938

**Quantifying business enterprise value in shopping malls: Current issues & future trends**

Kenney, Mark T

Appraisal Journal v68n3 PP: 307-317 Jul 2000

ISSN: 0003-7087 JRNL CODE: APJ

WORD COUNT: 7623

...TEXT: common area, tenant lighting, tenant heating, ventilating, and air conditioning (HVAC). In accordance with the **lease** agreement, the mall owner charges the tenants for electricity at the regulated retail rate charged...

...gross income comes from tenants in the mall, which is either separately metered or calculated **based** on each tenant's **electric usage**, against which the owner has related central plant expenses. As with any other business, the...

...his article as follows:

While it is true that mall owners generally split the tenants' **rental** payments into various charges which might indicate a separate payment for utility services, this is...

...a payment for real estate services. If the owner of an office building restructures his **leases** from charging \$2.00 a square foot in rent to \$0.10 a square foot...

19/3,K/5 (Item 4 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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02002732 51599945

**Blind man's bluff**

Torode, Christina

Computer Reseller News n886 PP: 1, 8 Mar 20, 2000

ISSN: 0893-8377 JRNL CODE: CRN

WORD COUNT: 714

...TEXT: pricing. ASPs also have to factor in development costs, whether building their own infrastructure or **leasing** one from a hosting provider, into the price of their services.

And just as customers...

...familiar with the per-User, per-month pricing model, ASPs and vendors predict transaction- and **usage based** pricing models-similar to **utility bills**-- will become prevalent over time.

Hewlett-Packard Co., Palo Alto, Calif, for example. last...

19/3,K/6 (Item 5 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01600345 02-51334

**Intranet-based training: Seeing is believing**

Goff, Leslie

Computerworld v32n12 PP: S1-S2+ Mar 23, 1998  
ISSN: 0010-4841 JRNL CODE: COW  
WORD COUNT: 2045

...TEXT: at some point.

The pilot at Chrysler Financial, for example, will deliver training in new **lease** processing software to 250 geographically dispersed workers. The corporate finance division of Marriott International, Inc...

...course on its proprietary payroll processing system this year. Commonwealth Edison Co., a Chicago-based **utility**, is developing an intranet- **based** course for inventory management software **used** in its nuclear power division (see story below).

Those companies are in the throes of...

19/3,K/7 (Item 6 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01588445 02-39434  
**Industrial production and capacity utilization: Annual revision and 1997 developments**  
Raddock, Richard  
Federal Reserve Bulletin v84n2 PP: 77-91 Feb 1998  
ISSN: 0014-9209 JRNL CODE: FRS  
WORD COUNT: 4783

...TEXT: offshore rig is given the weight of twenty-five land rigs-reflects the much higher **rental** cost of an offshore rig. For miscellaneous oil and gas field services, the production index...

...of source data. The single remaining series for nuclear manufacturing (part of SIC 2819) is **based** on the amount of **electricity used** in the production of such materials.

Estimates of Capacity and Utilization

The revisions to capacity...

19/3,K/8 (Item 7 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01003836 96-53229  
**Syndicated loans**  
Anonymous  
Euroweek n395 PP: 13-19 Mar 24, 1995  
ISSN: 0952-7036 JRNL CODE: EUW  
WORD COUNT: 6754

...TEXT: Capstar Partners. This finances the March 30 delivery of seven locomotives. costing \$8.1m. Sumisho **Lease** Co Ltd arranged the equity and Toyo Trust provided the debt.

Bank of America NT...

...ranges from 32.5bp to 55bp above Libor, or set at Prime flat. The Dallas- based electric company will use the loan to refinance its debt and for working capital including commercial paper back-up...

19/3,K/9 (Item 8 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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00795498 94-44890  
**NYS and NYC on lease related payments**  
Fineman, Marshall  
CPA Journal v63n12 PP: 70-71 Dec 1993  
ISSN: 0732-8435 JRNL CODE: CPA  
WORD COUNT: 855

...TEXT: of recent (and voluminous) litigation involving the taxation for sales tax purposes of real property lease -related payments, an update of the law's status is presented. In general, the costs...

...utility-type charges are recovered from commercial tenants by way of three distinct types of lease provisions. The first of these provisions is the submetering clause, regarding which charges are based upon a tenant's actual use of the particular utility service involved. Another means of recovering costs is the use of a rent inclusion provision...

...50 per square foot or based upon engineering surveys). Finally, although less common, a lumpsum rental charge clause will include a nondesignated utility service charge in the total rental . Distinguishing among these types of lease clauses is more than a matter of economics; it is also a sales tax consideration. Thus, the type of lease clause and its resultant manner of recovering electricity and other utility-type costs controls the...

...collects tax on the resale to the tenant.

Depending upon the nature of the prevailing lease clause, the landlord, or in turn the tenant, may bear the sales tax.

On the...

19/3,K/10 (Item 9 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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00727918 93-77139  
**Index Number Biases During Price Liberalization**  
Osband, Kent  
International Monetary Fund Staff Papers v39n2 PP: 287-309 Jun 1992  
ISSN: 0020-8027 JRNL CODE: IMF  
WORD COUNT: 7685

...TEXT: sup 0 to Q sup 1 + represents a clear increase in output according to a utility - used measure. A Laspeyres quantity index based on market clearing prices, P sup 0 \*, would show an even greater improvement. However, in...

...shadow price, accruing to whoever is fortunate enough to buy at the official price. Shortage rents , in turn, prompt queuing or extra

inventory accumulation, as long as the marginal expected gain...

19/3,K/11 (Item 10 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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00625400 92-40502  
**Hospitals Choose Used Equipment to Cut Costs**  
Barlow, Rick Dana  
Hospital Materials Management v17n1 PP: 2, 10 Jul 1992  
JRNL CODE: HMA  
WORD COUNT: 1570

...TEXT: Peterson said. Picker then sells the remanufactured piece of equipment to a hospital with low usage, he said.

Waukesha, Wis.- based General Electric Medical Systems Group, a subsidiary of General Electric Co., Fairfield Conn., may take GE equipment that it leased to hospitals, remanufactures selected pieces and resells them back to other facilities, according to spokesperson...

19/3,K/12 (Item 11 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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00233803 84-12364  
**Tenant Payment of Energy Costs: New Research**  
McClelland, Lou  
Journal of Property Management v49n2 PP: 15-19 Mar/Apr 1984  
ISSN: 0022-3905 JRNL CODE: JPM

...ABSTRACT: Department of Energy focused on the implications of tenant payment of energy expenses in multifamily rental housing. The best long-term option for managers and owners of residential properties who are now paying for energy costs from rental income is to shift the responsibility for energy costs directly to tenants. The 4 basic...

...use of the output of central equipment. 4. Use formula billing, where a formula (generally based on square feet occupied) is used to allocate the expense of energy use among tenants. Exhibit.

19/3,K/13 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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08699166 Supplier Number: 74520720 (USE FORMAT 7 FOR FULLTEXT)  
**Do-It-Yourself Power.**  
Emerson, Dan  
Plants Sites & Parks, v28, n2, p26  
April, 2001  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1723

... to avoid investing in the purchase of equipment, Parks says.  
Schenectady, N.Y.-based GE rents power-generating equipment on short- and long-term contracts. GE rents generating equipment that can

produce varying amounts of electricity, ranging between 5 kilowatts and 22.8 megawatts.

Most units **rented** are in the range of 12 kilowatts to 2 megawatts and are configured in multiples...

...for GE Energy Rentals in Atlanta. Units are powered by either natural gas or diesel.

**Rental** periods might be as short as a day. **Renting** or **leasing** is becoming more common "today, when (industrial users) have incentives or directives to curtail **energy usage**."

Dallas-based Frito Lay Co. has **used** co-generation equipment at its Bakersfield, Calif., plant since 1985, and is installing temporary, **rented** generating equipment at two new plants it will open elsewhere in California later this year...

...and Electric under a 1978 federal law (which no longer exists). It is installing temporary, **rented** generating equipment, at two plants in Rancho Cucamonga and Visalia in the state's Central...

19/3,K/14 (Item 2 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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08284266 Supplier Number: 64057635 (USE FORMAT 7 FOR FULLTEXT)

**Each Facility Meets Its Own Challenges.**

HESLIN, KEVIN

Energy User News, v25, n7, p9

July, 2000

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 4190

... change in occupancy, say 12% or higher, for it to have any real effect on **electric use**.

But that profile is **based** on the way we operate our buildings today: pretty much manually, pretty much without control...checks in, the room will go from a very deep set back to a room- **rented** set back. As the guest starts walking down the corridor to the room, the air...

...to look for movement, see none, and after eight minutes, it goes to the room- **rented** set back, which is not a very deep set back. If the guest checks out...

19/3,K/15 (Item 3 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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08221014 Supplier Number: 67641860 (USE FORMAT 7 FOR FULLTEXT)

**Scottish Power in major ASP deal. (Company Business and Marketing)**

Huber, Nick

Computer Weekly, p4

Nov 30, 2000

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 343

... such a volatile and emerging market.

Butcher, however, said it was reducing capital costs by **leasing**

the equipment from WhiteCross. "There are strict service level agreements and expectations of what it should provide," he said.

The **utility** will **use** the new service -- **based** on multiple parallel processing -- for business units ranging from energy supply and retail, to new...

19/3,K/16 (Item 4 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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07836864 Supplier Number: 65342462 (USE FORMAT 7 FOR FULLTEXT)

**HP unveils its Superdome Unix server.(Product Announcement)**

Grygo, Eugene

Network World, pNA

Sept 18, 2000

Language: English Record Type: Fulltext

Article Type: Product Announcement

Document Type: Magazine/Journal; General Trade

Word Count: 516

... of pricing options. One option is the instant Capacity on Demand (iCOD), where purchasing or **leasing** servers that include additional CPU capacity can be activated at will. Another is component utility...

...use and control through new activation/ deactivation capabilities. And a third option consists of server- **utility** pricing **based** solely on server **usage** .

Pricing for the HP-UX operating system will be based on the number of CPUs...

19/3,K/17 (Item 5 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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07391017 Supplier Number: 62237755 (USE FORMAT 7 FOR FULLTEXT)

**The Refining Sector In Dubai, Fujairah & Sharjah.**

APS Review Downstream Trends, v54, n21, pNA

May 22, 2000

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 1165

... and Emirates Holding Co. The company, set up in 1999 under a 25-year land **lease** , has raised a \$34.5m ...and conditioning products is operated in Jebel Ali by Ducham, a subsidiary of Abu Dhabi- **based** Star **Energy** Corp. **Using** the UOP/Shell process, the plant had an initial capacity of 20,000 b/d...

19/3,K/18 (Item 6 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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07320386 Supplier Number: 62020148 (USE FORMAT 7 FOR FULLTEXT)

**Maverick Tube Corporation and L. B. Foster Company Announce Exclusive Marketing Agreement for Piling Pipe.**

PR Newswire, pNA

May 11, 2000

Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 304

... line pipe and hollow structural sections (HSS).

Maverick Tube Corporation is a St. Louis, MO **based** manufacturer of steel tubular products **used** in the **energy** industry in production and surface transportation of oil and natural gas, as well as industrial...

...products, earth wall systems and tubular products. For the construction industry, the Company sells and **rents** steel sheet piling and H-bearing pile for foundation and earth retention requirements. In addition...

19/3,K/19 (Item 7 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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07124110 Supplier Number: 60305489 (USE FORMAT 7 FOR FULLTEXT)  
**ASP Pricing Nightmare -- Blind's Man Bluff. (Industry Trend or Event)**  
Torode, Christina  
Computer Reseller News, p1  
March 20, 2000  
Language: English Record Type: Fulltext  
Document Type: Tabloid; Trade  
Word Count: 709

... pricing. ASPs also have to factor in development costs, whether building their own infrastructure or **leasing** one from a hosting provider, into the price of their services.

And just as customers...

...familiar with the per-user, per-month pricing model, ASPs and vendors predict transaction- and **usage - based** pricing models-similar to **utility** bills-will become prevalent over time.

Hewlett-Packard Co., Palo Alto, Calif., for example, last...

19/3,K/20 (Item 8 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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05976685 Supplier Number: 53278706 (USE FORMAT 7 FOR FULLTEXT)  
**Nortel Nautica 250: I Want My ISDN. (Product Announcement)**  
Backman, Dan  
Network Computing, p44(1)  
Dec 1, 1998  
Language: English Record Type: Fulltext  
Article Type: Product Announcement  
Document Type: Magazine/Journal; Trade  
Word Count: 883

... router also offers DHCP support, but you must manually configure address ranges before clients can **lease** an IP address. So when configuring the device, your workstation needs a manually configured IP...

...Wizard, Nortel includes two monitoring tools: a "log watcher" utility and Nautica Watch, a graphical **utility** that displays bandwidth and line **usage**. Both SNMP- **based** **utilities** provide a detailed look at the router's behavior. Using two bar graphs to represent...

19/3,K/21 (Item 9 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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05964718 Supplier Number: 53243775 (USE FORMAT 7 FOR FULLTEXT)

**Telenetics' OMEGA AMR Solution Selected by Itron for a Major Automated Meter Reading Project.**

Business Wire, p1073

Nov 20, 1998

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 399

... a leading provider of data acquisition and wireless communication solutions for collecting, communicating and analyzing **electric**, gas and water **usage** data. Boise, Idaho- **based** DCI is a wholly owned subsidiary of Itron. Itron is installing approximately 20,000 DCI...

...Pennsylvania.

Telenetics designs and manufactures a broad range of proprietary industrial grade dial-up and **leased** -line modems, fiber option line drivers and wireless automatic meter reading products for the utility...

19/3,K/22 (Item 10 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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05614711 Supplier Number: 48495666 (USE FORMAT 7 FOR FULLTEXT)

**DUBAI: The Refining Sector**

APS Review Downstream Trends, v50, n21, pN/A

May 25, 1998

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 1825

... and conditioning products is operated in Jebel Ali by Ducham, a subsidiary of Abu Dhabi- **based** Star **Energy** Corporation. **Using** the UOP/Shell process, the plant had an initial capacity of 20,000 b/d...

...complete in 1999. In August 1997, a group of Japanese firms had indicated interest in **renting** storage space of about 400,000 t/y from Conoco. The companies included Idemitsu Kosan Co., Nippon Petroleum Gas Co., Showa Shell Sekiyu and Iwatani International Corp. Annual **rental** fees are estimated at about \$30/ton.

19/3,K/23 (Item 11 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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05448254 Supplier Number: 48259509 (USE FORMAT 7 FOR FULLTEXT)

**Electric Vehicles Jockey For Market Share**

Frank, Allen

Automotive Industries, p105

Feb, 1998

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade



Word Count: 1728

... change from lead-acid to NiMH batteries in its EVs this year.  
Despite terrible EV **leases** /sales so far, GM's EV brand manager Frank Pereira foresees improved sales and markets for electrics. He announced GM will expand its EV1 **leasing** to five more Saturn dealerships in San Francisco, Calif. He hint-ed another key market...

...Chrysler says SAFT America Inc. will supply NiMH batteries for all of its second-generation **electric** minivans that previously **used** Electrosorce lead-acid batteries. SAFT, **based** in Valdosta, Ga., is a licensee of Ovonic Battery Co. Inc., Troy, Mich. The agreement...

...the EPIC to commercial and government fleets in New York and California through a monthly **lease** rate of \$450, with no downpayment and for a three-year term. As an option, Chrysler is offering a one-time, single-**lease** payment of \$15,000 for a three-year term. 'The (NiMH) battery will improve the...

19/3,K/24 (Item 12 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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04757685 Supplier Number: 47001424 (USE FORMAT 7 FOR FULLTEXT)  
**Utility Division Performs, Finances Comprehensive Retrofit for GSA**  
Dougherty, Rob  
Energy User News, p13  
Jan, 1997  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Tabloid; Trade  
Word Count: 937

... a monthly service charge to the government, according to Hassan.  
'It is almost like a **lease**, where the government makes monthly payments independent of verified savings,' he explained, adding that Envest ...

...in order to comply with Executive Order 12902, which requires all government facilities to cut **energy usage** 30 percent by 2005, **based** on 1985 consumption levels.

In early 1994 Envest conducted a feasibility study to assess the...

19/3,K/25 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

12960063 SUPPLIER NUMBER: 67921519 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Vacation homes.**  
Koppel, Michael D.  
Tax Adviser, 31, 12, 840  
Dec, 2000  
ISSN: 0039-9957 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 2559 LINE COUNT: 00214

... 365. The taxpayer can deduct a percentage of all other operating expenses, such as maintenance, **utilities**, insurance, depreciation, etc. The denominator **used** for the other expenses is **based** on the number of days **used** (not on 365), regardless of what is used for interest and

taxes.

Income or loss is determined on Schedule E by netting the **rental** portion of the expenses against the **rental** revenue. Even if a taxpayer ends up with a loss on Schedule E, there are...

...in determining whether the loss is deductible, notably the Sec. 469 passive-loss rules.

A **rental** activity is a passive activity even if there is material participation (with the exception of...

...tax year only to the extent he has passive income from other sources (e.g., **rental** properties that produce gains). However, Sec. 469 allows taxpayers with adjusted gross income under \$100,000 to take a deduction of up to \$25,000 for passive **rental** real estate losses. The deduction is allowed if the taxpayer "actively participates" in the property...

...services such as repairs. Management decisions could include active participation in approving new tenants, deciding **rental** terms or approving expenditures for capital or repair purposes. If a taxpayer cannot currently take...

19/3,K/26 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

12921407 SUPPLIER NUMBER: 67980702 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**PEOPLE.**

Los Angeles Business Journal, 22, 50, 38  
Dec 11, 2000

ISSN: 0194-2603 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 1566 LINE COUNT: 00133

... and institutional issues.

Pamela S. Schmidt has been named a partner in the Los Angeles- **based** land **use**, environment and **energy** department of Jeffer, Mangels, Butler & Marmaro. She will negotiate development agreements, among other matters. Previously...

19/3,K/27 (Item 3 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

10853134 SUPPLIER NUMBER: 53964689 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**PATENTS.**

Johnson, Aaron  
Air Conditioning, Heating & Refrigeration News, 206, 7, 63(1)  
Feb 15, 1999

ISSN: 0002-2276 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 1277 LINE COUNT: 00110

... Baltimore); Schmidt, Dana (Baltimore). Assignee: Light Minder (Baltimore).

A system and process for control of **energy use** in a **rented** room **based** on direct occupancy observation. The system is designed to control up to 100% of the...

19/3,K/28 (Item 4 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2005 The Gale Group. All rts. reserv.

06749819 SUPPLIER NUMBER: 14519232 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Oil industry's money will keep emigrating, Chevron's Derr warns. (Kenneth T. Derr) (Company Profile)**  
Garner, W. Lynn  
Oil Daily, v43, n215, p1(2)  
Nov 9, 1993  
DOCUMENT TYPE: Company Profile ISSN: 0030-1434 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 647 LINE COUNT: 00049

... gasolines that exceed Clean Air Act standards, while at the same time trying to reduce use of oil-based fuels with mandates for electric vehicles and other alternative fuels, is "insane" and will simply lead to higher product prices...

19/3,K/29 (Item 5 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

06473275 SUPPLIER NUMBER: 13908693 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Duke Power takes proactive approach using Digital Link ESF DSU/CSUs.**  
Dobrushin, Alex  
Telecommunications, v27, n5, p73(1)  
May, 1993  
ISSN: 0278-4831 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 870 LINE COUNT: 00066

...ABSTRACT: its corporate data center. Most of the network is private, although there are a few leased lines as well. Most of the traffic on the Token Ring WAN travels via portable...

19/3,K/30 (Item 6 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

04817772 SUPPLIER NUMBER: 08801616 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Growth controls and land values in an open city. (Land-Use Controls)**  
Brueckner, Jan K.  
Land Economics, v66, n3, p237(12)  
August, 1990  
ISSN: 0023-7639 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 7847 LINE COUNT: 00633

... returns to landlords). Both the efficient and equilibrium growth paths for the city are computed using an example based on a specific utility function. The example illustrates that while mild controls are likely to be welfare-improving (raising...

...quality of life (instead, population is packed into a smaller area, with attendant effects on rents and land value). It is argued that controls may not be politically viable in such...

19/3,K/31 (Item 7 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

04752016 SUPPLIER NUMBER: 09660287  
**Travelers' profit motive: by 'outsourcing telecom inward,' insurer saves big.** (Travelers Corp.) (company profile)  
Thyfault, Mary E.  
Information Week, n296, p50(1)  
Nov 19, 1990  
DOCUMENT TYPE: company profile ISSN: 8750-6874 LANGUAGE: ENGLISH  
RECORD TYPE: ABSTRACT

...ABSTRACT: Corporate divisions use services on the company integrated voice and data network, and buy or **lease** from the telecommunications division. The company network consists of a T1 backbone with 35,000...

**19/3,K/32 (Item 8 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

04618176 SUPPLIER NUMBER: 09287149 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Co2 emission limits: an economic cost analysis for the USA. (carbon dioxide)** (includes related article, a response by William W. Hogan)  
Manne, Alan S.; Richels, Richard G.; Hogan, William W.  
Energy Journal, v11, n2, p51(35)  
April, 1990  
ISSN: 0195-6574 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 6823 LINE COUNT: 00545

... coal or shale oil) and NE-BAK (e.g., biomass fuels or hydrogen by electrolysis, **using** a non-carbon **based** source of **electricity** ). NE-BAK emits no carbon, but is likely to be more expensive than synthetic fuels...

**19/3,K/33 (Item 9 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

03937938 SUPPLIER NUMBER: 07001950 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Tenants, owners can gain from computer-based submetering.**  
Fleming, Alan H.  
Air Conditioning, Heating & Refrigeration News, v176, n2, p31(1)  
Jan 9, 1989  
ISSN: 0002-2276 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 1153 LINE COUNT: 00092

... based system monitors lighting, perimeter electric radiation, receptacle usage, and the hvac unit serving the **leased** or **rented** area. Since an hvac unit would probably serve more than one tenant space, the computer...

**19/3,K/34 (Item 10 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

03882540 SUPPLIER NUMBER: 07108260 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Bringing DOS compatibility to non-8086-based systems.**  
Rose, Philip F. H.  
PC Magazine, v8, n7, p166(2)  
April 11, 1989

ISSN: 0888-8507      LANGUAGE: ENGLISH      RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 1198      LINE COUNT: 00090

... important. With SoftPC, you should be able to run any DOS application--even RAM-resident **utilities** and programs that **use disk-based** copy-protection schemes.

XDOS, on the other hand, will let you apply almost full system...

**19/3,K/35      (Item 11 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

03698713      SUPPLIER NUMBER: 06761282      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Farnborough comes too early for some manufacturers. (Farnborough Air Show; commuter aircraft industry)**

Moorman, Robert W.  
Air Transport World, v25, n11, p90(2)  
Nov, 1988

ISSN: 0002-2543      LANGUAGE: ENGLISH      RECORD TYPE: FULLTEXT  
WORD COUNT: 1453      LINE COUNT: 00115

... sales milestones for existing aircraft. The following list demonstrates: Hamburg Airlines has contracted for two **leased** Boeing/de Havilland Dash 8-100s from GPA Jetprop of Shannon, Ireland and purchased from...

...The Egyptian Air Force has taken delivery of its first of six Beech 1900s for **utility use** ; and, St. Louis, Missouri- **based** Trans World Express will take delivery of the 100th Aerospatiale/Aeritalia ATR 42. Total orders...

**19/3,K/36      (Item 12 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

02180920      SUPPLIER NUMBER: 03382959      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Bank appoints first corp. energy mgr.; she sets 15% cut as goal.**

Gardner, Laura  
Energy User News, v9, p1(2)  
Aug 6, 1984

ISSN: 0162-9131      LANGUAGE: ENGLISH      RECORD TYPE: FULLTEXT  
WORD COUNT: 1238      LINE COUNT: 00105

... of the utility, according to Carey. The landlord then bills the tenants for their individual **use** , **based** on submeters' calculations of **energy use** , she added.

Carey will also be responsible for deciding, with the help of engineering consultants...

**19/3,K/37      (Item 13 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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02025918      SUPPLIER NUMBER: 03227457      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**NY probes 27 firms in EMS tax schemes; nationwide network seen.**

Burton, Peter  
Energy User News, v9, p1(3)

April 16, 1984

ISSN: 0162-9131

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1921

LINE COUNT: 00157

... of the energy tax credit, the tax shelter promoters "grossly inflated" the value of the **energy** management systems **used**, according to the affidavit.

" **Based** upon the fraudulently inflated value of these assets the investors are falsely led to expect...

...Revenue Code," the affidavit states.

The affidavit describes the tax shelter offered by First Energy **Leasing**, Melville, N.Y., that involves the **leasing** of a 12-load EMS purportedly manufactured by Encon Enterprises Inc., Philadelphia, Pa., that was valued at \$100,000.

(First Energy **Leasing** Corp. should not be confused with First Energy Inc., a Marlton, N.J., energy engineering...

**19/3,K/38 (Item 1 from file: 160)**

DIALOG(R) File 160:Gale Group PROMT(R)

(c) 1999 The Gale Group. All rts. reserv.

01067639

**PUBLIC CITIZEN PROPOSES SAFE ENERGY PLATFORM.**

Solar Energy Intelligence Report July 16, 1984 p. 229

...dependence on fossil fuels to 90 percent reliance on renewable fuels by 2030 if a **leased** -cost strategy is pursued, according to Public Citizen. Nuclear power would be entirely unnecessary. Public Citizen has 3 legislative proposals for renewable energy: the Consumer **Energy** Savings Act to require end- **use - based energy** and resource analysis in environmental impact statements; the Resource Wars Prevention Act to accelerate the...

**19/3,K/39 (Item 1 from file: 275)**

DIALOG(R) File 275:Gale Group Computer DB(TM)

(c) 2005 The Gale Group. All rts. reserv.

01322133 SUPPLIER NUMBER: 07561470 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Maps linked to databases draw profits.**

Feuche, Mike

MIS Week, v10, n33, p15(2)

August 21, 1989

ISSN: 0199-8838

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1215

LINE COUNT: 00099

... the emergence of under-\$10,000 PC software packages which are far more affordable than **leased** mainframe or minicomputer-based hardware-software systems easily costing over \$250,000 a year. The...

...high-budget government agencies with complex applications, notably in defense and natural resources, and public **utilities**.

The most widely **used** PC- **based** mapping packages can be bought for about \$2,000, which corporate users with presentation-oriented...

**19/3,K/40 (Item 1 from file: 621)**

DIALOG(R) File 621:Gale Group New Prod. Annou. (R)

(c) 2005 The Gale Group. All rts. reserv.

01020058      Supplier Number: 39679615      (USE FORMAT 7 FOR FULLTEXT)  
**HONEYWELL ANNOUNCES ENERGY METERING SOFTWARE FOR COMMERCIAL BUILDINGS**  
PR Newswire, pN/A  
Jan 24, 1986  
Language: English      Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count:      294

...      available to all buildings equipped with Honeywell's  
DeltaNet Micro Central building management system.

Office **leases** typically apportion **utility** costs **based**  
on average **use**  
during normal business hours. Until now, it has been difficult to  
accurately apportion the cost...

**19/3,K/41      (Item 1 from file: 636)**  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2005 The Gale Group. All rts. reserv.

04697159      Supplier Number: 62833774      (USE FORMAT 7 FOR FULLTEXT)  
**Exploration & Production News: United States.**  
Oil & Gas Interests, v14, n6, pNA  
June 1, 2000  
Language: English      Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count:      2897

...      water per day from a shallower Ordovician zone, Stonewall at  
12,350-58 ft. IHS **Energy** Group says the Houston- **based** company **used** an  
18/64-in. choke to test the discovery, the #19-23 Tveit in Section...

...Va., has added two wildcats to its exploratory drilling program on the  
Ark Land Co. **lease** in Letcher County, Ky. According to IHS Energy Group,  
drilling

**19/3,K/42      (Item 2 from file: 636)**  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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01564106      Supplier Number: 42307703      (USE FORMAT 7 FOR FULLTEXT)  
**SEIA Promotes 'Green Plan' To Congress To Advance Use of Solar Energy**  
International Solar Energy Intelligence Report, v17, n17, pN/A  
August 23, 1991  
Language: English      Record Type: Fulltext  
Document Type: Magazine/Journal; Newsletter; Trade  
Word Count:      1012

...      Energy and Power Subcommittee Chairman Philip Sharp (D-Ind.) is  
circulating a proposal to charge **electricity** customers a **use - based**  
fee on their bills to create a fund for alternative energy, and other  
suggestions would...

...This step, and creating incentives for third-party financing of solar  
electric plants in building **lease** -buyback arrangements, would pay for  
itself as energy savings offset outlays for solar equipment, materials...

19/3,K/43 (Item 3 from file: 636)  
DIALOG(R) File 636:Gale Group Newsletter DB(TM)  
(c) 2005 The Gale Group. All rts. reserv.

01171892 Supplier Number: 41031151 (USE FORMAT 7 FOR FULLTEXT)

**Generators want known prices from producers**

Gas Daily, pN/A

Nov 20, 1989

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 334

... A mix of supply contracts with some deals based on the price of alternate fuels **used** to generate **electricity** and some **based** on the market price of gas should serve to satisfy both sides, Avil said.

Similarly...

...give more control over supply and prices, IPP owners have negotiated to buy natural gas **leases**, wells, gathering systems, processing plants, and are even buying working interests in drilling programs, Avil...



Set	Items	Description
S1	3665025	ENERGY OR POWER OR ELECTRIC? OR UTILIT???
S2	811895	TRACK? OR MONITOR? OR TRACING OR AUDIT? OR TRAIL?
S3	9510	RENTAL OR RENTING OR RENTED OR RENTS OR LEASE? ? OR LEASING
S4	9380533	USE OR USEAGE OR USAGE OR USING
S5	1453276	RATE? ? OR BILL??? OR CHARG? OR FEE OR FEES
S6	7427572	EQUIPMENT OR MERCHANDI? OR DEVICE? ? OR MACHINE? OR APPLIA- NCE?

S7	741148	TRACK? OR MONITOR? OR TRACING
S8	25803	S1(3N)S7
S9	1333	S8(3N)S4
S10	17	S8 AND S3
S11	256	S9(15N)S6
S12	28	S11 AND S5
S13	45	S10 OR S12

? show file

File 347:JAPIO Nov 1976-2005/Feb(Updated 050606)

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File 350:Derwent WPIX 1963-2005/UD,UM &UP=200547

(c) 2005 Thomson Derwent

13/5/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2005 JPO & JAPIO. All rts. reserv.

07721048 \*\*Image available\*\*  
MONITORING DEVICE AND ULTRAVIOLET LASER DEVICE

PUB. NO.: 2003-214949 [JP 2003214949 A]  
PUBLISHED: July 30, 2003 (20030730)  
INVENTOR(s): CHIBA TEIICHIRO  
WAKABAYASHI OSAMU  
APPLICANT(s): GIGAPHOTON INC  
APPL. NO.: 2002-016949 [JP 200216949]  
FILED: January 25, 2002 (20020125)  
INTL CLASS: G01J-001/42; G01J-001/00; H01S-003/00

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a monitoring device and an ultraviolet laser device capable of constantly and accurately measuring pulse **energy** .

SOLUTION: The **monitoring** device detecting the pulse energy of a laser beam 21 having an ultraviolet wavelength is provided with a light quantity sensor 38 measuring the pulse energy of a sample beam 37 obtained by sampling a part of the **laser** beam 21 and a sensor 39 for calibration calibrating the light quantity sensor 38 by measuring the pulse energy of the sample beam 37. The device has a shielding means 48 so that the sample beam 37 is not made incident when the sensor 39 for calibration is out of calibration service, and determines timing for calibration based on at least either one of an operating time T of the ultraviolet laser device or a pulse oscillation frequency C of the laser beam 21. The ultraviolet laser device is equipped with the monitoring device.

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13/5/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
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07703729 \*\*Image available\*\*  
METHOD FOR MONITORING PLASMA TREATMENT DEVICE, AND PLASMA TREATMENT DEVICE

PUB. NO.: 2003-197609 [JP 2003197609 A]  
PUBLISHED: July 11, 2003 (20030711)  
INVENTOR(s): O TAKESHI  
APPLICANT(s): TOKYO ELECTRON LTD  
APPL. NO.: 2001-398608 [JP 2001398608]  
FILED: December 27, 2001 (20011227)  
INTL CLASS: H01L-021/3065; H05H-001/00; H05H-001/46

#### ABSTRACT

PROBLEM TO BE SOLVED: To solve the problem that it taken time to investigate whether or not an abnormality has occurred in control parameters, such as the pressure and flow **rate** of gas, or the like in a chamber, or parameters, such as a voltage of high-frequency power or the like, which directly relate to wafer treatment, since the variation of the parameters cannot be directly monitored.

SOLUTION: A plasma treatment device is monitored through a model formula

for estimating a plurality of parameters for controlling plasma conditions and/or a plurality of parameters related to device conditions, based on a plurality of parameters for reflecting the plasma conditions at the time of treating the wafer W by the use of high-frequency power. In monitoring the device, the plasma reflection parameters obtained in treating the wafer W are applied to the model formula to estimate the individual control parameters and/or the individual device conditions parameters in treatment.

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13/5/3 (Item 3 from file: 347)

DIALOG(R)File 347:JAPIO

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07616342 \*\*Image available\*\*

WAVELENGTH DETECTOR, MULTI-MODE SEMICONDUCTOR LASER MODULE, WAVELENGTH STABILIZER AND RAMAN AMPLIFIER

PUB. NO.: 2003-110191 [JP 2003110191 A]

PUBLISHED: April 11, 2003 (20030411)

INVENTOR(s): SASAKI GORO

APPLICANT(s): SUMITOMO ELECTRIC IND LTD

APPL. NO.: 2001-305741 [JP 2001305741]

FILED: October 01, 2001 (20011001)

INTL CLASS: H01S-005/0687; G02B-005/28; G02B-006/42; H01S-005/022;  
H01S-005/50

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a wavelength stabilizer capable of stabilizing the wavelength of a **leaser** beam.

SOLUTION: The wavelength stabilizer 112 is provided with a multi-mode semiconductor laser module 1c, a power adjusting circuit 114, a wavelength adjusting circuit 118. The multi-mode semiconductor laser module 1c is provided with a multi-mode laser element 34, a monitoring photodetector 45 and a wavelength detection device 90a. The monitoring photodetector 45 detects light from a semiconductor laser element 34. The wavelength detection device 90a has an optical filter 94 and a photodetector 96. The power adjusting circuit 114 receives a signal 45a from the **power monitoring** photodetector 45. Thus, optical power is controlled. A wavelength control circuit 116 receives an electric signal 96a from the wavelength detection device. A thermoelectronic cooling element 22 changes the temperature of the semiconductor laser element 34 in response to the electric signal from the wavelength control circuit 116. Thus, the wavelength of light is controlled.

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13/5/4 (Item 4 from file: 347)

DIALOG(R)File 347:JAPIO

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07018853 \*\*Image available\*\*

LASER MATERIAL PROCESSING METHOD AND DEVICE

PUB. NO.: 2001-246484 [JP 2001246484 A]

PUBLISHED: September 11, 2001 (20010911)

INVENTOR(s): SENDA ATSUSHI

APPLICANT(s): SUMITOMO HEAVY IND LTD  
APPL. NO.: 2000-058275 [JP 200058275]  
FILED: March 03, 2000 (20000303)  
INTL CLASS: B23K-026/00; B23K-026/08; B23K-101:42

#### ABSTRACT

PROBLEM TO BE SOLVED: To improve processing speed by eliminating restriction on the speed caused by transfer between processing points.

SOLUTION: The device includes a monitoring means for **monitoring** the **energy** condition of a **laser** beam for each processing point, an X-Y galvano- scanner 19 for irradiating a laser beam to a desired point on a workpiece 16, and a controller 10 for controlling the galvano-scanner in accordance with a result from the monitoring means. The controller, upon completion of the laser beam irradiation on one machining point, makes the galvano-scanner start transferring to the next machining point with the start of the **monitoring** of the **energy** condition by the **monitoring** means; and, if the monitoring result is abnormal, the controller controls the galvano-scanner so as to return to the previous one machining point as the irradiation position of the laser beam so that the irradiation is performed again.

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13/5/5 (Item 5 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06607891 \*\*Image available\*\*  
**ELECTRIC POWER USING STATE MONITORING METHOD AND ITS DEVICE**

PUB. NO.: 2000-193696 [JP 2000193696 A]  
PUBLISHED: July 14, 2000 (20000714)  
INVENTOR(s): NISHIHARA RYUTARO  
NASU SHO  
APPLICANT(s): ENERGY CONSERVATION CENTER JAPAN  
NIPPON BENDEINGU KK  
APPL. NO.: 10-374346 [JP 98374346]  
FILED: December 28, 1998 (19981228)  
INTL CLASS: G01R-022/00; G01R-011/00; H02J-013/00

#### ABSTRACT

PROBLEM TO BE SOLVED: To enable a user at an ordinary home or a factory to immediately monitor the electric power using state by transmitting the detected instantaneous power consumption by radio, comparing the received power consumption with a target value, and displaying them.

SOLUTION: A measuring circuit 11 of a measurement section 1 compares a power supply voltage  $V_e$  measured by connecting a power cord 6 to an electric outlet 7 fitted to a wire 4 and the output voltage  $V_i$ , corresponding to the instantaneous current  $I_i$  outputted from a current transformer 5 with a reference voltage  $V_s$  to detect a digitally converted voltage  $V$  and the current  $I$  for each phase. An arithmetic circuit 12 calculates the average value during 1 sec of the product of the voltage  $V$  and the current  $I$ , to obtain the average value in 1 min as an instantaneous electric power  $P$  (kW). It is integrated minute to calculate an electric power quantity  $EP$ (kWh), and an instantaneous electric power  $P$  and the electric power quantity  $EP$  are transmitted from a radio transmitting

circuit. The radio receiving circuit of a display section receives them, an arithmetic circuit obtains the ratio between the electric power quantity  $\Sigma P$  and the target value, calculates the energy saving degree, and converts the electric power quantity  $\Sigma P$  into contract **rate**, and a display circuit displays them.

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13/5/6 (Item 6 from file: 347)

DIALOG(R)File 347:JAPIO

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06607890 \*\*Image available\*\*

**ELECTRIC POWER USING STATE MONITORING METHOD AND ITS DEVICE**

PUB. NO.: 2000-193695 [JP 2000193695 A]

PUBLISHED: July 14, 2000 (20000714)

INVENTOR(s): NISHIHARA RYUTARO

NASU SHO

APPLICANT(s): ENERGY CONSERVATION CENTER JAPAN

NIPPON BENDEINGU KK

APPL. NO.: 10-374360 [JP 98374360]

FILED: December 28, 1998 (19981228)

INTL CLASS: G01R-021/00; G01R-011/00; G01R-022/00

#### ABSTRACT

PROBLEM TO BE SOLVED: To monitor the electric power using state of a building or a factory, using a large quantity of electric power on a real-time basis by transmitting the detected instantaneous power consumption by radio, comparing the received power consumption with a target value, and displaying them on a graph.

SOLUTION: In this method, a measurement section transmits an instantaneous electric power  $P$  and an accumulated electric power quantity  $\Sigma P$  detected as the power **rate** by ratio. The radio receiving circuit of a display section receives them, an arithmetic circuit compares the electric power quantity  $P$  with a target value, calculates the energy saving degree of the compared result, converts the electric power quantity  $\Sigma P$  at detection into the contract **rate**, and outputs them to a display 22. The display 22 displays the date 32, present and target **rates** 33a, 33b, and folded lines 34a, 34b, 34c for past results fluctuation and the target and actual accumulated values in the monitoring time zone in case of daily results, for example. The daily power consumption in the amount of money per unit time is shown by a bar graph 35. Here daily, monthly and yearly results can be selectively displayed via a measurement switching button 30a and daily, monthly and yearly result selecting buttons 30b-30d.

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13/5/7 (Item 7 from file: 347)

DIALOG(R)File 347:JAPIO

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06506245 \*\*Image available\*\*

**VIDEO MONITOR SYSTEM UTILIZING POWER LINE FOR COMMUNICATION LINE AND VIDEO TRANSMITTER**

PUB. NO.: 2000-091962 [JP 2000091962 A]

PUBLISHED: March 31, 2000 (20000331)

INVENTOR(s): MOMIYAMA AKIHISA  
AIKEI MASANARI  
TAKAYAMA SHOGO  
APPLICANT(s): NTT POWER & BUILDING FACILITIES INC  
BIJIKON KK  
APPL. NO.: 10-257951 [JP 98257951]  
FILED: September 11, 1998 (19980911)  
INTL CLASS: H04B-003/54; H04N-007/10; H04N-007/18

ABSTRACT

PROBLEM TO BE SOLVED: To provide transmission technology for a camera and a monitor in the video monitor system that are easily installed even at a place where a radio wave is shielded and a place where installation or removal of a **leased** line is difficult.

SOLUTION: A video image photographed by a camera is converted into digital data, compressed, converted by a spread spectrum communication system, superimposed on power and transmitted by using a power line. The digital data are separated and received from the power line, demodulated and uncompressed and the video image photographed by the camera is displayed on a PC 32.. Transmission of data from the camera and the **monitor** uses the **power** line to eliminate the need for an installation work and a removal work of a **leased** line. Thus, a camera unit section is easily moved. Furthermore, the video monitor system is available for a place between different floors of a building, a metal-made wall and an office or the like with many obstacles where a radio wave is shielded and data cannot be received.

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13/5/8 (Item 8 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05140746 \*\*Image available\*\*  
**RENTAL LOCKER SYSTEM**

PUB. NO.: 08-096246 [JP 8096246 A]  
PUBLISHED: April 12, 1996 (19960412)  
INVENTOR(s): TSUKADA KAZUO  
APPLICANT(s): ALPHA CORP [472123] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 06-226835 [JP 94226835]  
FILED: September 21, 1994 (19940921)  
INTL CLASS: [6] G07F-017/12; H02J-009/00; H02J-009/06  
JAPIO CLASS: 29.4 (PRECISION INSTRUMENTS -- Business Machines); 31.9  
(PACKAGING -- Other); 43.3 (ELECTRIC POWER -- Transmission &  
Distribution)  
JAPIO KEYWORD:R131 (INFORMATION PROCESSING -- Microcomputers &  
Microprocessors)

ABSTRACT

PURPOSE: To allow a **rental** locker system provided with an automatic power supply interruption function to correspond to specific business such as all-night operation at the end and beginning of the year.

CONSTITUTION: An external **power** supply **monitoring** circuit 17 is connected to the prestage of a power supply circuit in a central control unit 1. The circuit 17 detects the ON/OFF of an external power supply. A microcomputer 14 controls a power supply switch 12. When the external power

supply is ON based upon the detection result of the circuit 17, the switch 12 is always held at ON. When the external power supply is turned off and it arrives at interruption time, the switch 12 is turned off. If the external power supply is turned on even before power supply time, the switch 12 is turned on. Even when the external power supply is OFF, the switch 12 is turned on at the arrival of power supply time.

13/5/9 (Item 9 from file: 347)

DIALOG(R) File 347:JAPIO

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02339639 \*\*Image available\*\*

**MONITORING** DEVICE FOR COMMERCIAL **POWER** SOURCE TROUBLE IN BOOSTER STATION

PUB. NO.: 62-256539 [JP 62256539 A]  
PUBLISHED: November 09, 1987 (19871109)  
INVENTOR(s): MIHASHI KOJI  
APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 61-097886 [JP 8697886]  
FILED: April 30, 1986 (19860430)  
INTL CLASS: [4] H04B-017/00  
JAPIO CLASS: 44.2 (COMMUNICATION -- Transmission Systems)  
JOURNAL: Section: E, Section No. 603, Vol. 12, No. 130, Pg. 95, April 21, 1988 (19880421)

#### ABSTRACT

PURPOSE: To eliminate the need for **leased** line and to communicate with a monitor station in case of maintenance by incorporating a false mobile machine provided with a hand-free microphone to provide a monitor part with the function which emits an alarm tone.

CONSTITUTION: When detecting the occurrence of trouble in a commercial power source of a booster station, a trouble detecting circuit 5 of a trouble monitor part 4 sends a trouble signal to a sound producing circuit 6 and a control circuit 11. The sound producing circuit 6 emits the alarm tone from a buzzer 7 by this signal. The control circuit 11 converts this signal to a 5-bit call signal by a logic circuit 12 and sends it to a handset 9, and the handset 9 performs the automatic calling operation on a basis of a preliminarily recorded telephone number of the monitor station. The alarm tone emitted by the sound producing circuit 6 is received by a hand-free microphone 10 connected to the handset 9 and is sent to a transmitterreceiver 8 of the false mobile machine through the handset 9 and passes a directional coupler 13, a branching filter 1, repeating amplifiers 2, and another branching filter 1 and is reported to the monitor station through a base station

13/5/10 (Item 10 from file: 347)

DIALOG(R) File 347:JAPIO

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01866936 \*\*Image available\*\*

CENTRALIZED MONITOR SYSTEM OF GAS LEAKAGE BY POWER-LINE CARRIER

PUB. NO.: 61-081036 [JP 61081036 A]  
PUBLISHED: April 24, 1986 (19860424)  
INVENTOR(s): HINO KASHIRO  
APPLICANT(s): NISSHIN SANGYO KK [460636] (A Japanese Company or

Corporation), JP (Japan)  
APPL. NO.: 59-203795 [JP 84203795]  
FILED: September 28, 1984 (19840928)  
INTL CLASS: [4] H04B-003/54; G08B-021/00  
JAPIO CLASS: 44.2 (COMMUNICATION -- Transmission Systems); 24.1 (CHEMICAL  
ENGINEERING -- Fluid Transportation); 43.3 (ELECTRIC POWER --  
Transmission & Distribution); 44.9 (COMMUNICATION -- Other)  
JOURNAL: Section: E, Section No. 433, Vol. 10, No. 255, Pg. 6,  
September 02, 1986 (19860902)

#### ABSTRACT

PURPOSE: To centralize and monitor always states of individual alarm devices in one place without providing a considerable number of **leased** lines by using a power-line carrier means to transmit output signals of gas leakage alarm devices, which incorporate sensors which detect coal gas, to a remote place.

CONSTITUTION: A signal wave  $f(\text{sub } 1)$  is modulated by a carrier wave  $f(\text{sub } 0)$  in case of emergency and a signal wave  $f(\text{sub } 1)'$  is modulated by the carrier wave  $f(\text{sub } 0)$  in case of normalcy in a slave device A in accordance with the monitor state of a gas leakage alarm device 9, and these waves are charged to a power line 15, but there are no signals on the power line in case of abnormality. A master device B in the monitor side receives the signal transmitted to the power line and selects the carrier wave by a detecting part 10 and a fundamental wave  $f(\text{sub } 0)$  tuning amplifying part 11. The signal wave  $f(\text{sub } 1)$  and the signal wave  $f(\text{sub } 1)'$  are demodulated by a signal wave  $f(\text{sub } 1)$  demodulating part 12 and a signal wave  $f(\text{sub } 1)'$  demodulating part 12'. A signal wave discrimination control part 13 discriminates the emergency state, the normal state, or the abnormal state and sends a signal corresponding to the discriminated state to a succeeding display alarm device 14 to display this state. When many gas leakage alarm devices 9 are provided, similar slave devices are installed to transmit **monitor** states to the **power** line. In this case, such frequencies are used that signal waves of individual slave devices do not interfere with one another.

13/5/11 (Item 11 from file: 347)

DIALOG(R) File 347:JAPIO

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01696097 \*\*Image available\*\*

INCOMING INFORMATION CIRCUIT OF KEY TELEPHONE SET

PUB. NO.: 60-174597 [JP 60174597 A]  
PUBLISHED: September 07, 1985 (19850907)  
INVENTOR(s): AIKAWA CHUTA  
OKUMURA SENJI  
KIKURA TETSUO  
APPLICANT(s): TAMURA ELECTRIC WORKS LTD [350937] (A Japanese Company or  
Corporation), JP (Japan)  
APPL. NO.: 59-029557 [JP 8429557]  
FILED: February 21, 1984 (19840221)  
INTL CLASS: [4] H04Q-003/58; H04M-001/72  
JAPIO CLASS: 44.4 (COMMUNICATION -- Telephone)  
JOURNAL: Section: E, Section No. 374, Vol. 10, No. 11, Pg. 101,  
January 17, 1986 (19860117)

#### ABSTRACT

PURPOSE: To inform incoming through a single tone ringer by providing a **monitor** relay for a **power** source, and connecting the tone ringer to a



leased trunk line through its contact in a power-on state or to a channel side in case of a power failure.

CONSTITUTION: A speech line Lt(sub 1) is connected to line terminals a(sub 1) and b(sub 1) of the key telephone set, a trunk line Lp(sub 2) is connected to line terminals a(sub 2) and b(sub 2), and a signal line Ls(sub 1) is connected to line terminals d(sub 1) and d(sub 2). The single tone ringer TRG is bridge-connected to the side of the talking circuit TKC of contacts lr(sup 0) and lr(sup 1) and the trunk line Lp(sub 2) through contacts Pf(sup 0) and Pf(sup 1) of the monitor relay for the power source. A speaker SP is driven through a transformer 3 according to the arrival of a call signal from the trunk line Lp(sub 2) in the feeding of a commercial power source and in response to the arrival of the call signal from the trunk line Lp(sub 2) or signal arrival of the call signal from the trunk line through a speech line lt(sub 1) when a connection is made by a main device according to a selection made by the contacts lr(sup 0) and lr(sup 1) in case of a power failure. Thus, incoming is annunciated through the single tone ringer.

13/5/12 (Item 12 from file: 347)  
DIALOG(R)File 347:JAPIO  
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00376699  
POWER SUPPLY METHOD OF CHANGE CARRYING DEVICE

PUB. NO.: 54-028699 [JP 54028699 A]  
PUBLISHED: March 03, 1979 (19790303)  
INVENTOR(s): KASHIWAKURA MITSUYUKI  
APPLICANT(s): NIPPON SIGNAL CO LTD THE [000465] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 52-094773 [JP 7794773]  
FILED: August 08, 1977 (19770808)  
INTL CLASS: [2] G07F-005/18; B61D-015/00  
JAPIO CLASS: 29.4 (PRECISION INSTRUMENTS -- Business Machines); 26.1 (TRANSPORTATION -- Railways); 36.4 (LABOR SAVING DEVICES -- Service Automation)  
JAPIO KEYWORD:R088 (PRECISION MACHINES -- Automatic Vending Machines)  
JOURNAL: Section: E, Section No. 107, Vol. 03, No. 51, Pg. 112, April 28, 1979 (19790428)

#### ABSTRACT

PURPOSE: To make **charging** during waiting for instruction of change supplement by providing a **charger** to home station and obviate stopping on the way owing to overcharging of storage battery after a **power track** using a d.c. motor has started traveling, in group control automatic vending **machine** apparatus.

13/5/13 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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016865227 \*\*Image available\*\*  
WPI Acc No: 2005-189530/200520  
XRPX Acc No: N05-158337

Image clarity improvement for monitoring power equipment , involves using reverse filter of point spread function based on estimated circle of confusion for restoring color information of view pixel without

**influence of surrounding pixel**

Patent Assignee: DENRYOKU CHUO KENKYUSHO (DENY )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2005063000	A	20050310	JP 2003289825	A	20030808	200520 B

Priority Applications (No Type Date): JP 2003289825 A 20030808

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2005063000	A		20	G06T-005/20	

Abstract (Basic): JP 2005063000 A

NOVELTY - A circle of confusion (C) which shows the range of surrounding pixel (2) that affects the color information of a view pixel (1) is estimated. A reverse filter of point spread function (PSF) is used based on estimated circle of confusion for restoring the color information of view pixel without the influence of the surrounding pixel.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) image clarity improvement apparatus; and

(2) image clarity improvement program.

USE - For improving clarity of image used for installation monitoring of power equipment.

ADVANTAGE - The object recognition **rate** is increased by improving the clarity of image.

DESCRIPTION OF DRAWING(S) - The figure shows an explanatory diagram of the image clarity improvement method.

view pixel (1)

surrounding pixel (2)

circle of confusion (C)

pp; 20 DwgNo 1/14

Title Terms: IMAGE; CLEAR; IMPROVE; MONITOR; POWER; EQUIPMENT; REVERSE;

FILTER; POINT; SPREAD; FUNCTION; BASED; ESTIMATE; CIRCLE; CONFUSE;

RESTORATION; COLOUR; INFORMATION; VIEW; PIXEL; INFLUENCE; SURROUND; PIXEL

Derwent Class: T01; W02

International Patent Class (Main): G06T-005/20

International Patent Class (Additional): H04N-001/409

File Segment: EPI

**13/5/14 (Item 2 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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016623663 \*\*Image available\*\*

WPI Acc No: 2004-782389/200477

XRPX Acc No: N04-616406

Power usage monitoring device for use in e.g. cellular telephone, has battery providing voltage similar to voltage level provided by removable battery module, and microcontroller determining power consumption of telephone

Patent Assignee: SAMSUNG ELECTRONICS CO LTD (SMSU )

Inventor: HERLE S P

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040204172	A1	20041014	US 2002243600	A	20020913	200477 B
US 6907278	B2	20050614	US 2002243600	A	20020913	200540

Priority Applications (No Type Date): US 2002243600 A 20020913

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20040204172 A1 7 H04Q-007/20

US 6907278 B2 G06F-012/06

Abstract (Basic): US 20040204172 A1

NOVELTY - The device has a module capable of being attached to an electronic device e.g. cellular telephone in place of a removable battery module. A battery (490) provides a voltage similar to a voltage level provided by the battery module. A microcontroller (430) reads the voltage sampled by ADC (450) and uses sample voltage to determine power consumption of the device.

DETAILED DESCRIPTION - The module has contacts interfacing with another set of battery contacts arranged in the device. An INDEPENDENT CLAIM is also included for a method of monitoring the power consumption of an electronic device.

USE - Used for measuring the power usage in an electronic device e.g. cellular telephone, a laptop computer, and an electronic organizer.

ADVANTAGE - The device provides more accurate and convenient testing of a cellular phone during its normal as well as lower power modes of operation. The device spoofs the appearance of the removable battery module of the cellular telephone, thus causing the telephone to operate as if it is operating only from the battery power.

DESCRIPTION OF DRAWING(S) - The drawing shows an illustration of a testing circuitry in a **power usage monitoring device**.

Power monitor module (200)

Voltage regulators (410, 420)

Microcontroller (430)

ADC (450)

**Charger** (485)

Battery (490)

pp; 7 DwgNo 4/4

Title Terms: POWER; MONITOR; DEVICE; CELLULAR; TELEPHONE; BATTERY; VOLTAGE; SIMILAR; VOLTAGE; LEVEL; REMOVE; BATTERY; MODULE; DETERMINE; POWER; CONSUME; TELEPHONE

Derwent Class: S01; T01; W01; X16

International Patent Class (Main): G06F-012/06; H04Q-007/20

File Segment: EPI

13/5/15 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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016411960 \*\*Image available\*\*

WPI Acc No: 2004-569872/200455

XRPX Acc No: N04-450653

**Video monitoring, recording, and playback system for LAN/WAN based system, has architecture allowing viewing and management of consoles, and cameras residing on system or on remote network connected to system**

Patent Assignee: SCHAFF G D (SCHA-I)

Inventor: SCHAFF G D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040136388	A1	20040715	US 2002436346	P	20021226	200455 B
			US 2003487271	P	20030716	
			US 2003487486	P	20030716	
			US 2003746171	A	20031224	

Priority Applications (No Type Date): US 2003746171 A 20031224; US  
2002436346 P 20021226; US 2003487271 P 20030716; US 2003487486 P 20030716  
Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
US 20040136388 A1 24 H04L-012/28 Provisional application US 2002436346

Provisional application US 2003487271  
Provisional application US 2003487486

Abstract (Basic): US 20040136388 A1

NOVELTY - The system has a network switch/access point and/or a router interconnecting a video server and IP devices including IP cameras (1,2) and IP video servers. Architecture has viewing and management consoles, external hard drives and cameras residing locally on an internal subnet of the system, or on any remote network connected to the system using WAN/Internet. A set of HTML pages are exported to a connecting browser.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) a wireless input/output bridge that can be connected to wired digital binary inputs and digital binary outputs from video servers or cameras providing wireless access to off the shelf wireless devices
- (2) a power converter which takes a single POE output voltage from the remote POE terminal unit and transforms it into one or many output voltages
- (3) a stand-alone battery system and charging circuit for remotely connected devices e.g. external video servers, cameras and outdoor camera heaters
- (4) a thin client video system
- (5) a wireless cash register transponder
- (6) a device that piggybacks on Pan/Tilt/Zoom (PTZ) data ports
- (7) a method of encapsulating a random algorithm of data appearing superimposed on live video
- (8) a method of enabling a random guard to be assigned a random set of cameras from unknown remote sites
- (9) a network camera attachment Wizard
- (10) a wireless elevator camera and wireless access point connecting to elevator camera
- (11) a camera/video server **power** watchdog for **monitoring** camera activity
- (12) a video file overlapping mechanism
- (13) a method for implementing a network video system with multiple network cameras
- (14) an automated **lease** subscription model where clients are granted camera access for a specific **lease** period.

USE - Used for monitoring, recording and playback of video in a LAN/WAN based system.

ADVANTAGE - The system exports HTML pages to a connecting browser for viewing, playback and system management, thereby effecting all remote access using standard browsers without using a remote client software. The end user or installer is only required to mount the cameras, connect the power adapters, connect the network cables between devices and network switch and turn the system on to access from the Intranet or Internet.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram view of a network video management system with wireless and wired IP cameras.

- IP cameras (1,2)
- Network video recorder (3)
- Router (4)
- Local area network administrator (5)

Wireless area network administrator (6)  
pp; 24 DwgNo 1/23  
Title Terms: VIDEO; MONITOR; RECORD; PLAYBACK; SYSTEM; LAN; WAN; BASED;  
SYSTEM; ARCHITECTURE; ALLOW; VIEW; MANAGEMENT; CONSOLE; CAMERA; SYSTEM;  
REMOTE; NETWORK; CONNECT; SYSTEM  
Derwent Class: T01; W01; W02; W04  
International Patent Class (Main): H04L-012/28  
International Patent Class (Additional): H04J-003/22  
File Segment: EPI

13/5/16 (Item 4 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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016258867 \*\*Image available\*\*  
WPI Acc No: 2004-416761/200439

**Apparatus and method for monitoring electric home appliances using digital tv**

Patent Assignee: LG ELECTRONICS INC (GLDS )  
Inventor: HAN J S  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2004013856	A	20040214	KR 200246943	A	20020808	200439 B

Priority Applications (No Type Date): KR 200246943 A 20020808

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2004013856	A	1	H04N-007/18	

Abstract (Basic): KR 2004013856 A

NOVELTY - An apparatus and a method for **monitoring electric home appliances using** a digital TV are provided to prevent an accident in the case of watching a TV, and reduce a burden of household duties by reducing a traffic line.

DETAILED DESCRIPTION - A user sets up a timer function in an electric home appliance. The user selects a timer monitoring function on a digital TV. The electric home appliance outputs and transmits timer information through an IEEE(Institute of Electrical and Electronics Engineers) 1394 board. The digital TV receives the timer information via a PC taking **charge** of a home network server function for displaying the timer information on a picture of the digital TV. If a timer is completed, the electric home appliance transmits timer ending information to the digital TV to display the timer ending information on the picture.

pp; 1 DwgNo 1/10

Title Terms: APPARATUS; METHOD; MONITOR; ELECTRIC; HOME; APPLIANCE; DIGITAL ; TELEVISION

Derwent Class: W02  
International Patent Class (Main): H04N-007/18  
File Segment: EPI

13/5/17 (Item 5 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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016015336 \*\*Image available\*\*  
WPI Acc No: 2004-173187/200417  
XRAM Acc No: C04-069422

XRPX Acc No: N04-137825

**Fuel reformer for use in fuel cell electric vehicle, has heat-tracing device to heat modification catalyst contained in auxiliary modifier to temperature more than reaction start temperature**

Patent Assignee: ISHIKAWAJIMA HARIMA HEAVY IND (ISHI )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2004018273	A	20040122	JP 2002171198	A	20020612	200417 B

Priority Applications (No Type Date): JP 2002171198 A 20020612

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2004018273	A	13	C01B-003/32	

Abstract (Basic): JP 2004018273 A

NOVELTY - A modifier (12) and an oxidation device (14) respectively supply copper/zinc and palladium/zinc catalyst to a methanol reforming device (1) and a carbon monoxide selective oxidation device (2). An auxiliary modifier (16) is also provided below the modifier. A heat-tracing device (18) heats the catalyst contained in the auxiliary modifier to a temperature more than the reaction start temperature.

DETAILED DESCRIPTION - An evaporator (11) installed at the upstream side of the modifier evaporates methanol and water, and a heat exchanger (15) installed between the methanol reforming device and the oxidation device, cools the hydrogen containing gas.

An INDEPENDENT CLAIM is also included for fuel reformer starting method. The auxiliary modifier is supplied with methanol vapor, water and air to produce hydrogen containing gas by heating its catalyst. The hydrogen gas along with air is supplied to the modifier which again generates hydrogen gas which is mixed with air and supplied to the oxidation device (14). The reforming device and Co oxidation device are heated to reach preset temperature. Finally supply of air and methanol to auxiliary modifier, is stopped.

USE - Fuel reformer which reforms methanol into hydrogen gas which is used as fuel for fuel cell to drive vehicle.

ADVANTAGE - Since the temperature of the catalyst is raised, the temperature of the methanol reforming device and carbon monoxide selective oxidation device is quickly raised, and the time to reach predetermined quality improvement **rate** is also shortened.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the fuel reformer. (Drawing includes non-English language text).

methanol reforming device (1)  
CO selective-oxidation device (2)  
evaporator (11)  
modifier (12)  
oxidation device with heater (14)  
heat exchanger (15)  
auxiliary modifier (16)  
heat-tracing device (18)  
pp; 13 DwgNo 1/5

Title Terms: FUEL; REFORM; FUEL; CELL; ELECTRIC; VEHICLE; HEAT; TRACE; DEVICE; HEAT; MODIFIED; CATALYST; CONTAIN; AUXILIARY; MODIFIED; TEMPERATURE; MORE; REACT; START; TEMPERATURE

Derwent Class: E36; H04; H06; L03; X16; X21

International Patent Class (Main): C01B-003/32

International Patent Class (Additional): H01M-008/04; H01M-008/06

File Segment: CPI; EPI

13/5/18 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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015831428 \*\*Image available\*\*

WPI Acc No: 2003-893632/200382

**Device for charging power to portable device by using display device**

Patent Assignee: KINORI TECHNOLOGY CO LTD (KINO-N)

Inventor: CHOI Y S; OH J W; YUK G C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2003063514	A	20030731	KR 20023667	A	20020122	200382 B

Priority Applications (No Type Date): KR 20023667 A 20020122

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2003063514	A	1	H04N-005/64	

Abstract (Basic): KR 2003063514 A

NOVELTY - A power **charging** device for a portable device by using a display device is provided to carry out the display of a monitor and the power **charging** of a portable **device** simultaneously by mounting a diverging part for the common **use** of the input **power** by the **monitor** and the portable **device**.

DETAILED DESCRIPTION - A power **charging** device for a portable device by using a display device includes a power **charging** module(130) coupled in the display device(100), and a diverging part(140) for diverging down-transformed input power to a side of a power unit(110). The power **charging** module shares the input power of the display device, and the display of a display part(120) and the power **charging** of the portable device are carried out simultaneously via the power unit and the power **charging** module.

pp; 1 DwgNo 1/10

Title Terms: DEVICE; **CHARGE** ; POWER; PORTABLE; DEVICE; DISPLAY; DEVICE

Derwent Class: W03

International Patent Class (Main): H04N-005/64

File Segment: EPI

**13/5/19 (Item 7 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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015576647 \*\*Image available\*\*

WPI Acc No: 2003-638804/200361

XRPX Acc No: N03-508262

**Backup power source monitoring device detects battery voltage on disconnecting charging circuit from secondary battery and connecting load circuit to secondary battery**

Patent Assignee: CASIO COMPUTER CO LTD (CASK )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7219685	A	19950818	JP 9423595	A	19940127	200361 B

Priority Applications (No Type Date): JP 9423595 A 19940127

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 7219685	A	4	G06F-001/28	

Abstract (Basic): JP 7219685 A

NOVELTY - A switching transistor (13) is turned OFF and a switching transistor (15) is turned ON, so as to disconnect the **charging** circuit and connect a load circuit for voltage adjustment to the secondary battery. A voltage detector detects battery voltage, after performing the connection and disconnection operation.

USE - For **monitoring** backup **power** source in **devices** using nickel cadmium battery.

ADVANTAGE - The battery voltage can be accurately detected by instantaneously holding a battery at its original potential corresponding to its **charging** state at the time of battery voltage detection, even when nickel cadmium battery is used as a backup battery.

DESCRIPTION OF DRAWING(S) - The figure shows a circuit diagram of the backup power source monitoring device. (Drawing includes non-English language text).

secondary battery (11)  
switching transistors (13,15)  
load circuit (14)  
voltage detector (17)  
pp; 4 DwgNo 1/1

Title Terms: POWER; SOURCE; MONITOR; DEVICE; DETECT; BATTERY; VOLTAGE;  
DISCONNECT; **CHARGE** ; CIRCUIT; SECONDARY; BATTERY; CONNECT; LOAD; CIRCUIT  
; SECONDARY; BATTERY

Derwent Class: S01; U24; X16

International Patent Class (Main): G06F-001/28

File Segment: EPI

13/5/20 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015390730 \*\*Image available\*\*

WPI Acc No: 2003-451676/200343

XPX Acc No: N03-360226

**Overcurrent** monitoring **method** in **power** **distribution** **line**, involves using **optoelectric** **transducer** to receive light reflected by display device which is irradiated by light emitting element

Patent Assignee: CHUBU DENRYOKU KK (CHUB ); NIPPON KOUATSU ELECTRIC CO LTD (NIKO-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002365328	A	20021218	JP 2001171626	A	20010606	200343 B

Priority Applications (No Type Date): JP 2001171626 A 20010606

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002365328	A		8	G01R-031/08	

Abstract (Basic): JP 2002365328 A

NOVELTY - A rectifier (24) rectifies input voltage and a capacitor (35) is **charged** with the rectified voltage. A controller (32) intermittently controls light emitting element to emit light to display device (28). The light reflected by the display device is received by a optoelectric transducer whose output is used to monitor overcurrent in the power distribution line (A).

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for overcurrent report apparatus.



USE - For monitoring overcurrent in power distribution line.  
ADVANTAGE - Provides portable and reliable overcurrent report apparatus.  
DESCRIPTION OF DRAWING(S) - The figure shows the schematic drawing of the overcurrent report apparatus and circuit diagram of power transformation circuitry. (Drawing includes non-English language text).

Rectifier (24)  
Display device (28)  
Controller (32)  
Capacitor (35)  
Power distribution line (A)  
pp; 8 DwgNo 1/12

Title Terms: OVERCURRENT; MONITOR; METHOD; POWER; DISTRIBUTE; LINE;  
TRANSDUCER; RECEIVE; LIGHT; REFLECT; DISPLAY; DEVICE; IRRADIATE; LIGHT;  
EMIT; ELEMENT  
Derwent Class: S01; X13  
International Patent Class (Main): G01R-031/08  
International Patent Class (Additional): G01R-019/165; H02H-003/08  
File Segment: EPI

13/5/21 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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015293148 \*\*Image available\*\*  
WPI Acc No: 2003-354082/200333  
XRPX Acc No: N03-282947

Power system management method for changing function of equipment control apparatus in power system, involves using monitoring control apparatus to monitor state of power system from obtained internal data

Patent Assignee: MITSUBISHI DENKI KK (MITQ ); MITSUBISHI ELECTRIC CORP (MITQ )

Inventor: ANZAI T

Number of Countries: 006 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030056130	A1	20030320	US 200286831	A	20020304	200333 B
CA 2374280	A1	20030314	CA 2374280	A	20020304	200333
JP 2003088001	A	20030320	JP 2001280215	A	20010914	200336
CN 1405944	A	20030326	CN 2002120498	A	20020521	200344
KR 2003023851	A	20030320	KR 200227405	A	20020517	200346
TW 552757	A	20030911	TW 2002103101	A	20020222	200417

Priority Applications (No Type Date): JP 2001280215 A 20010914

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030056130	A1		24	G06F-001/26	
CA 2374280	A1	E		H02J-013/00	
JP 2003088001	A		21	H02J-013/00	
CN 1405944	A			H02J-013/00	
KR 2003023851	A			H02J-013/00	
TW 552757	A			H02J-013/00	

Abstract (Basic): US 20030056130 A1

NOVELTY - The method involves using a monitoring control apparatus provided outside an equipment control apparatus (1) to obtain the internal information about the equipment control apparatus through a web communication network and to monitor the state of the power system

from the obtained internal information.

DETAILED DESCRIPTION - The equipment control apparatus is provided on the side of the facility equipments, constituting the power system, to control the facility equipments. An INDEPENDENT CLAIM is included for the power system management system.

USE - For changing function of equipment control apparatus in a power system.

ADVANTAGE - Capable of preventing devices e.g. relay from being easily changed in setting due to manipulation mistake on display screen of electronic terminal by persons not in **charge** of maintenance monitoring and relay setting change, or from being changed in information about the power system state. Does not bring power system into any undesirable management state. Internal information regarding equipment control apparatus can be obtained and state of power system can be monitored with obtained internal information from outside of equipment control apparatus. Ensures that function of equipment control apparatus can be also changed from outside of equipment control apparatus.

DESCRIPTION OF DRAWING(S) - The figure is a system block diagram schematically showing the power system management method.

Equipment control apparatus (1)

pp; 24 DwgNo 1/9

Title Terms: POWER; SYSTEM; MANAGEMENT; METHOD; CHANGE; FUNCTION; EQUIPMENT  
; CONTROL; APPARATUS; POWER; SYSTEM; MONITOR; CONTROL; APPARATUS; MONITOR  
; STATE; POWER; SYSTEM; OBTAIN; INTERNAL; DATA

Derwent Class: T01; T06

International Patent Class (Main): G06F-001/26; H02J-013/00

International Patent Class (Additional): G05B-023/02; H04L-012/16

File Segment: EPI

13/5/22 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014967545 \*\*Image available\*\*

WPI Acc No: 2003-028059/200302

XRAM Acc No: C03-006422

XRPX Acc No: N03-021958

**Fabrication of stepped etalon involves depositing first step layer on first surface of transparent substrate, masking first portion of the step layer, and etching exposed portion of the step layer by reactive ion etching process**

Patent Assignee: AGERE SYSTEMS GUARDIAN CORP (AGER-N)

Inventor: ACKERMAN D A; SCHNEEMEYER L F

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6447690	B1	20020910	US 2000708202	A	20001108	200302 B

Priority Applications (No Type Date): US 2000708202 A 20001108

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6447690	B1		8	C03C-015/00	

Abstract (Basic): US 6447690 B1

NOVELTY - A stepped etalon is made by depositing a first step layer on a first surface of a transparent substrate; masking a first portion of the first step layer leaving an exposed portion of the first step layer; and etching the exposed portion of the first step layer by a reactive ion etching process at a **rate** greater than 500 Angstrom/min

leaving a first step and an exposed portion of the substrate.

DETAILED DESCRIPTION - Fabrication of a stepped etalon includes depositing a first step layer on a first surface of a transparent substrate; masking a first portion of the first step layer leaving an exposed portion of the first step layer; and etching the exposed portion of the first step layer by a reactive ion etching (RIE) process at a **rate** greater than 500 Angstrom/min leaving a first step, and leaving an exposed portion of the substrate. The exposed portion of the substrate is etched at a **rate** of less than 200 Angstrom. The substrate has a figure of merit  $F_o$  which is less than  $5e-6$  over a wavelength of 1500-1600 nm and a temperature of 10-30 degrees C. The first step layer and the substrate comprise different materials. An INDEPENDENT CLAIM is included for a method of controlling an optical device, comprising directing an optical beam from the optical device through the stepped etalon as produced by the above method.

USE - For making a stepped etalon used widely in optical systems for optical wavelength measurement and control. The **devices** can be used to **monitor** and control, **using electrical** feedback, the output wavelength of an optical generator, e.g. a laser (17). They are used in a variety of applications for precise wavelength division multiplexed (WDM) systems.

ADVANTAGE - The manufacturing properties of the step layer can be allowed to dominate the optical properties because the layer, while thick enough to function in the stepped etalon, is still thin enough to be relatively inconsequential to the overall optical performance of the device. Steps (14,15,16) can be formed on both surfaces of the etalon for expanded functionality.

DESCRIPTION OF DRAWING(S) - The figure is a schematic representation of a stepped etalon.

Steps (14,15,16)

Laser (17)

pp; 8 DwgNo 1/9

Title Terms: FABRICATE; STEP; ETALON; DEPOSIT; FIRST; STEP; LAYER; FIRST; SURFACE; TRANSPARENT; SUBSTRATE; MASK; FIRST; PORTION; STEP; LAYER; ETCH; EXPOSE; PORTION; STEP; LAYER; REACT; ION; ETCH; PROCESS

Derwent Class: L03; S02; S03; V07

International Patent Class (Main): C03C-015/00

File Segment: CPI; EPI

13/5/23 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014907919 \*\*Image available\*\*

WPI Acc No: 2002-728625/200279

XRPX Acc No: N02-574934

**Centralized monitoring /billing of electrical power consumed by clients, is handled by network linked managing agency that maintains records of client-specific contracts as well as meter furnished data**

Patent Assignee: NISSHIN ELECTRICAL CO LTD (NDEN )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002269463	A	20020920	JP 200168864	A	20010312	200279 B

Priority Applications (No Type Date): JP 200168864 A 20010312

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002269463	A		9	G06F-017/60	

Abstract (Basic): JP 2002269463 A

NOVELTY - The server (100) at the managing agency authorized to record power consumption at client end installations (200) and bill them individually, has information pertaining to client specific power agreements and other **leases** . Meter readings are forwarded periodically across the network (300) to enable the billing for power consumed. A composite billing that includes certain other **rental** fees along with power dues, is prepared and sent to the clients.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) Recorded medium storing receiving equipment management program;

(2) Receiving equipment management program; and

(3) Receiving equipment management method.

USE - For managing a receiving equipment management device in factory.

ADVANTAGE - Helps to rationalize the billing procedures as well as transaction volumes.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic perspective view of receiving installation management system. (Drawing includes non-English language text).

Server (100)

Client end installations (200)

Network (300)

pp; 9 DwgNo 1/8

Title Terms: CENTRE; MONITOR; BILL; ELECTRIC; POWER; CONSUME; CLIENT; HANDLE; NETWORK; LINK; MANAGE; AGENT; MAINTAIN; RECORD; CLIENT; SPECIFIC; CONTRACT; WELL; METER; FURNISH; DATA

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

13/5/24 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014526583 \*\*Image available\*\*

WPI Acc No: 2002-347286/200238

XPX Acc No: N02-273745

**Intruder monitoring device has solar battery to charge and discharge power supply circuit of the monitoring device**

Patent Assignee: MITSUBISHI ELECTRIC CORP (MITQ )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002074526	A	20020315	JP 2000255523	A	20000825	200238 B

Priority Applications (No Type Date): JP 2000255523 A 20000825

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2002074526	A		6 G08B-013/196	

Abstract (Basic): JP 2002074526 A

NOVELTY - An intruder entering a monitored area is judged by obtaining photograph of the monitored area, when presence of intruder is detected. A power supply circuit is **charged** and discharged by a solar battery cell (5) attached to the monitoring device.

USE - For detecting an intruder entering into a monitored area.

ADVANTAGE - Power consumption is reduced by **using** solar battery to **power** the **monitoring device** , enabling prolonged **use** of the

monitoring device in outdoors.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the intrusion monitoring device. (Drawing includes non-English language text).

Solar battery cell (5)

pp; 6 DwgNo 1/8

Title Terms: INTRUDE; MONITOR; DEVICE; SOLAR; BATTERY; CHARGE ; DISCHARGE; POWER; SUPPLY; CIRCUIT; MONITOR; DEVICE

Derwent Class: W02; W05

International Patent Class (Main): G08B-013/196

International Patent Class (Additional): G08B-013/19; G08B-025/00;

G08B-025/08; H04N-005/225; H04N-007/18

File Segment: EPI

13/5/25 (Item 13 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014415125 \*\*Image available\*\*

WPI Acc No: 2002-235828/200229

Related WPI Acc No: 1998-193868; 1998-557745

XRPX Acc No: N02-181155

Wireless machine monitoring system configuration in manufacturing plant, involves mounting repeater where installation and configuration unit is positioned if it is determined that test bit error rate is acceptable

Patent Assignee: CSI TECHNOLOGY INC (CSIT-N)

Inventor: CANADA R G; CZYZEWSKI Z; DAVIDSON T L; PEARCE J W; ROBINSON J C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6301514	B1	20011009	US 96697372	A	19960823	200229 B
			US 97835083	A	19970404	
			US 9873626	A	19980506	

Priority Applications (No Type Date): US 9873626 A 19980506; US 96697372 A 19960823; US 97835083 A 19970404

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6301514	B1		30	G06F-011/00	CIP of application US 96697372
					CIP of application US 97835083
					CIP of patent US 5854994
					CIP of patent US 5907491

Abstract (Basic): US 6301514 B1

NOVELTY - A bit error rate is calculated for test data transmitted from a machine monitor (4a) to an ICU. The test bit error rate is compared with an acceptable bit error rate to determine whether the test bit error rate is acceptable. A repeater (8b) is mounted where the ICU is positioned if it is determined that the test bit error rate is acceptable.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Wireless machine monitoring system installation method;
- (b) Wireless machine monitor power usage minimizing method;

- (c) Installation control unit

USE - In various manufacturing plants for configuring and synchronizing a wireless machine monitoring system for transmitting a wireless signal representing the non-intrusively monitored machine

characteristics from a sensor to remote command station.

ADVANTAGE - The machine monitors are configured to transmit data at lowest possible power level that allows for reasonably accurate data transmission and minimizes the power usage of wireless machine monitors that are in communication with a command station.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of wireless machine monitoring system.

Machine monitor (4a)

Repeater (8b)

pp; 30 DwgNo 1/14

Title Terms: WIRELESS; MACHINE; MONITOR; SYSTEM; CONFIGURATION; MANUFACTURE ; PLANT; MOUNT; REPEATER; INSTALLATION; CONFIGURATION; UNIT; POSITION;

DETERMINE; TEST; BIT; ERROR; RATE ; ACCEPT

Derwent Class: T01; T06; W01

International Patent Class (Main): G06F-011/00

File Segment: EPI

13/5/26 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014276807 \*\*Image available\*\*

WPI Acc No: 2002-097509/200213

XRPX Acc No: N02-072067

**Equipment monitoring and control apparatus has key line actuator mimicking peripheral device sensor to interrupt continuity**

Patent Assignee: CAIS INC (CAIS-N)

Inventor: KAO K Y; KWAN K; SAUER B K

Number of Countries: 092 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200184253	A1	20011108	WO 2000US6685	A	20000427	200213 B
AU 200047961	A	20011112	AU 200047961	A	20000427	200222
			WO 2000US6685	A	20000427	

Priority Applications (No Type Date): WO 2000US6685 A 20000427

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200184253	A1	E	32	G05B-011/01	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200047961	A			G05B-011/01	Based on patent WQ 200184253
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Abstract (Basic): WO 200184253 A1

NOVELTY - Apparatus comprises a computer (210) with a key operating line (214,216) controlling functionality and connecting peripherals (220,240) via an actuator (218) which interrupts the line without interrupting power.

DETAILED DESCRIPTION - The actuator has switching control circuitry (50,68) to control usage of the computer and peripheral devices (keyboard, mouse, scanner, printer, copier, facsimile machine). The actuator mimics a peripheral device sensor (232) to signal a halt condition. A software key connected to the computer IO port in series with the key operating line is controlled by the switching circuitry to control usage of the program.

There is an INDEPENDENT CLAIM for an apparatus for monitoring

usage of electrically powered devices by monitoring power used by device to detect fault condition and suspend billing for use of device when fault detected.

USE - Apparatus is for selecting, monitoring and controlling electrically powered devices e.g. to monitor the status of electrically powered equipment such as copiers or computers for generating billing

ADVANTAGE - Apparatus suspends billing when the monitored device is out of commission.

DESCRIPTION OF DRAWING(S) - The figure shows the system with control circuitry (50,68)

key operating line (214,216)

actuator (218)

peripherals (220,240)

sensor (232)

pp; 32 DwgNo 10/13

Title Terms: EQUIPMENT; MONITOR; CONTROL; APPARATUS; KEY; LINE; ACTUATE;

MIMIC; PERIPHERAL; DEVICE; SENSE; INTERRUPT; CONTINUE

Derwent Class: T01; T05; T06

International Patent Class (Main): G05B-011/01

International Patent Class (Additional): G06F-001/26

File Segment: EPI

13/5/27 (Item 15 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014268929 \*\*Image available\*\*

WPI Acc No: 2002-089627/200212

XRPX Acc No: N02-066093

**Battery monitor and power demand adjuster for battery-powered devices, reduces device power demand to match available battery power, allowing for gradual failure rather than arbitrary shut-down**

Patent Assignee: COCHLEAR LTD (COCH-N)

Inventor: SELIGMAN P

Number of Countries: 024 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200178449	A1	20011018	WO 2000AU305	A	20000411	200212	B
AU 200036482	A	20011023	AU 200036482	A	20000411	200213	
			WO 2000AU305	A	20000411		
EP 1293106	A1	20030319	EP 2000915037	A	20000411	200322	
			WO 2000AU305	A	20000411		
JP 2003530811	W	20031014	WO 2000AU305	A	20000411	200368	
			JP 2001575769	A	20000411		
AU 2000236482	B2	20040916	AU 2000236482	A	20000411	200479	
			WO 2000AU305	A	20000411		

Priority Applications (No Type Date): WO 2000AU305 A 20000411

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200178449 A1 E 20 H04R-025/00

Designated States (National): AU CA CN JP US

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

AU 200036482 A Based on patent WO 200178449

EP 1293106 A1 E H04R-025/00 Based on patent WO 200178449

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

JP 2003530811 W 24 H02J-007/00 Based on patent WO 200178449

Abstract (Basic): WO 200178449 A1

**NOVELTY** - The inventive system of operation for **devices using DC power** includes circuitry for **monitoring** and controlling the **power demand** of the **device**, which is linked to battery monitoring circuitry. Should the battery output voltage, as detected by the monitor, fall below a first predetermined level, the controlling circuitry will reduce the device power demand. If the battery output voltage should fall further, to below a second predetermined level, lower than the first level, the control circuitry will switch off the device. If the battery voltage increases before the shut-down level is reached, the device operation will be progressively increased to normal, so allowing the device to accommodate some supply voltage 'sagging', without being switched off.

**USE** - To provide improved battery monitoring for ensuring continuity of battery-powered device operation, such as cochlear implants or other hearing-aid devices.

**ADVANTAGE** - Has application generally to battery-powered digital devices, particularly when using zinc-air battery cells, where continuity of operation, even at reduced performance level, is of importance, such as by reduction in power demand e.g. hearing aids by reducing the stimulation **rate**.

**DESCRIPTION OF DRAWING(S)** - The drawing shows a flow-chart illustrating the operation of the inventive system.

pp; 20 DwgNo 2/3

Title Terms: BATTERY; MONITOR; POWER; DEMAND; ADJUST; BATTERY; POWER; DEVICE; REDUCE; DEVICE; POWER; DEMAND; MATCH; AVAILABLE; BATTERY; POWER; ALLOW; GRADUAL; FAIL; ARBITRARY; SHUT; DOWN

Derwent Class: S01; U22; W04; X16

International Patent Class (Main): H02J-007/00; H04R-025/00

International Patent Class (Additional): H02J-007/00

File Segment: EPI

13/5/28 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

014126778 \*\*Image available\*\*

WPI Acc No: 2001-610988/200170

XRPX Acc No: N01-456115

**Voice capturing system for producing template in hospitals, has recorder for capturing portion of voice and analyzing unit for analyzing and producing characterization data, storing data for subsequent retrieval**

Patent Assignee: KEOUGH K A (KEOU-I); KEOUGH S J (KEOU-I)

Inventor: KEOUGH K A; KEOUGH S J

Number of Countries: 095 Number of Patents: 011

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200139180	A1	20010531	WO 2000US32328	A	20001123	200170 B
AU 200120480	A	20010604	AU 200120480	A	20001123	200170
US 20020072900	A1	20020613	US 99167168	P	19991123	200243
			US 2000871233	A	20001123	
			US 2001972730	A	20011004	
NO 200202406	A	20020712	WO 2000US32328	A	20001123	200258
			NO 20022406	A	20020521	
BR 200015773	A	20020806	BR 200015773	A	20001123	200260
			WO 2000US32328	A	20001123	
EP 1252620	A1	20021030	EP 2000983768	A	20001123	200279



			WO 2000US32328	A	20001123	
KR 2002060975	A	20020719	KR 2002706630	A	20020523	200305
CN 1391690	A	20030115	CN 2000816092	A	20001123	200330
JP 2003515768	W	20030507	WO 2000US32328	A	20001123	200331
			JP 2001540763	A	20001123	
ZA 200204036	A	20031029	ZA 20024036	A	20020521	200381
US 20050108011	A1	20050519	US 2001972730	A	20011004	200534 N
			US 200412792	A	20041214	

Priority Applications (No Type Date): US 99167168 P 19991123; US 2000871233  
A 20001123; US 2001972730 A 20011004; US 200412792 A 20041214

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200139180	A1	E	35	G10L-021/00	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT  
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200120480	A				
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Based on patent WO 200139180

US 20020072900	A1				
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G10L-019/08

Provisional application US 99167168

CIP of application US 2000871233

NO 200202406	A				
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G10L-000/00

BR 200015773	A				
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G10L-021/00

Based on patent WO 200139180

EP 1252620	A1	E			
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G10L-021/00

Based on patent WO 200139180

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL RO SI

KR 2002060975	A				
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G10L-021/00

CN 1391690	A				
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G10L-021/00

JP 2003515768	W		59	G10L-013/08	
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Based on patent WO 200139180

ZA 200204036	A		50	G10L-000/00	
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US 20050108011	A1				
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G10L-015/00

Cont of application US 2001972730

Abstract (Basic): WO 200139180 A1

NOVELTY - Specific portion of live voice is captured by electronic input device such as digital recorder and transmitted to an analysis unit. The analysis unit is a digital data storage unit which identifies specific pattern and vocabulary, syntax, frequency, pitch and tones of speech in the captured voice data. Storage unit receives the characterization data from analysis unit and stores it for subsequent retrieval.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Method for creating voice-like noise;
- (b) Method for accurately replicating human voice;
- (c) Article of manufacture storing program to produce replicated voice;
- (d) Computer program product for use with aural output device;
- (e) Computer program product for use with display device;
- (f) Computer program product for use with electronic device;
- (g) Memory for storing data for access by application program;
- (h) Data processing system executing application program;
- (i) Computer data signal embodied in transmission medium;
- (j) Method for using selected voice as personal voice assistant;
- (k) Method of capturing audio for business application;
- (l) Automated machine for capturing portion of specific voice data;
- (m) On-line method for creating voice templates;
- (n) Machine operated method for creating voice template;

(o) Method for creating voice template from multiple voices  
USE - Used in hospital or hospice rooms or other locations for using templates for minor or major psychological ailments. Used in education for teaching children and others about historical events using templated voice of choice. For producing voice templates, applications such as for personal computer, prompter, updatator, status reporter, home **energy monitor**, hotel room assistant and automobile assistant. For providing wake-up call and vehicle information, for use in personal digital assistant and other personal electronic device for voice capture and as alerter, for implementing business and technology methods and manufacturers. Also for use with visual media such as photograph, digital video, holographic image, for reporting status of download information, for use as in-flight companion, safety remainder in work places. Also used as add-on device with e.g. voice activated system such as dictation device, text readers, for social mediation and control mechanism such as during frustrated, rage situation in road for inspirational reading, for use as music match, for voice sourcing and matching for singers, voice select for using preferred voice for entertainment script and also used as bed time reader in dwelling, for monitoring and interactive security.

ADVANTAGE - Large databases of templated voices can be efficiently created. Capable of utilizing downloadable or remotely accessible data and can be used for control of various other systems, methods or processes. Enables new industry of manufacturing, **leasing**, purchasing or using voice templates and associated unit, techniques and methods of conducting business. Has utility in medical treatments for certain minor or major psychological ailments for which proper use of templated voice therapy can be quite palliative or therapeutic.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic diagram of voice capturing subsystem.

pp; 35 DwgNo 2/9

Title Terms: VOICE; CAPTURE; SYSTEM; PRODUCE; TEMPLATE; HOSPITAL; RECORD; CAPTURE; PORTION; VOICE; UNIT; PRODUCE; CHARACTERISTIC; DATA; STORAGE; DATA; SUBSEQUENT; RETRIEVAL

Derwent Class: P86; T01; W04

International Patent Class (Main): G10L-000/00; G10L-013/08; G10L-015/00; G10L-019/08; G10L-021/00

International Patent Class (Additional): G10L-011/00; G10L-013/06; G10L-019/04

File Segment: EPI; EngPI

13/5/29 (Item 17 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014098014 \*\*Image available\*\*

WPI Acc No: 2001-582228/200165

XRFX Acc No: N01-433746

**Energy usage monitoring system for on-line metering databases, performs interval metering, receives and transmits data from/to requests over power-line using micro-processor controlled transmeter including flash**  
Patent Assignee: QUADLOGIC CONTROLS CORP (QUAD-N); JACOBSON E (JACO-I); LO S C (LOSC-I); NEWSOME M (NEWS-I); SHAFRIR D (SHAF-I); SWARZTRAUBER S A (SWAR-I)

Inventor: JACOBSON E; LO S C; NEWSOME M; SHAFRIR D; SWARZTRAUBER S A

Number of Countries: 095 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200165823	A1	20010907	WO 2001US6573	A	20010228	200165 B
AU 200141887	A	20010912	AU 200141887	A	20010228	200204

EP 1260090	A1	20021127	EP 2001913201	A	20010228	200302
			WO 2001US6573	A	20010228	
US 20030158677	A1	20030821	US 2000185832	P	20000229	200356
			US 2001795838	A	20010228	
US 20050137813	A1	20050623	US 2000185832	P	20000229	200542
			US 2001795838	A	20010228	
			US 200530417	A	20050106	

Priority Applications (No Type Date): US 2000185832 P 20000229; US 2001795838 A 20010228; US 200530417 A 20050106

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200165823 A1 E 363 H04M-011/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200141887 A H04M-011/00 Based on patent WO 200165823

EP 1260090 A1 E H04M-011/00 Based on patent WO 200165823

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

US 20030158677 A1 G06F-019/00 Provisional application US 2000185832

US 20050137813 A1 G01R-021/00 Provisional application US 2000185832

Div ex application US 2001795838

Abstract (Basic): WO 200165823 A1

NOVELTY - A microprocessor controlled transmitter (100) having a flash memory is coupled to a power-line. The transmitter performs interval metering, receives and transmits data from/to requests over the power-line. A transponder (110) coupled to the transmitter through the power-line, receives/transmits data from/to the transmitter and a remotely located computer. The transponder stores the data received from the transmitter.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Power-line communication system;
- (b) Energy usage monitoring method;
- (c) Power-line communication method;
- (d) Application specific integrated circuit;
- (e) **Energy usage monitoring device**;
- (f) Un-authorized electricity usage detection method;
- (g) Electricity metering device;
- (h) Pre-paid electricity provision method;
- (i) Power-service remote control method;
- (j) Power-line break determination method

USE - For providing on-line metering databases over the internet for users in generation companies or energy service companies (ESCOs).

ADVANTAGE - Guarantees data integrity even when the power is out for an extended time period. Enables remote metering and **billing** for electrical consumption under inconvenient situations of the metered area.

DESCRIPTION OF DRAWING(S) - The figure shows an overall installation diagram of the energy usage monitoring system.

Microprocessor controlled transmitter (100)

Transponder (110)

pp; 363 DwgNo 1/25

Title Terms: ENERGY; MONITOR; SYSTEM; LINE; METER; PERFORMANCE; INTERVAL;

METER; RECEIVE; TRANSMIT; DATA; REQUEST; POWER; LINE; MICRO; PROCESSOR;  
CONTROL; FLASH  
Derwent Class: S01; T05; W01; W05; X12  
International Patent Class (Main): G01R-021/00; G06F-019/00; H04M-011/00  
File Segment: EPI

13/5/30 (Item 18 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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013941670 \*\*Image available\*\*  
WPI Acc No: 2001-425883/200146  
XRPX Acc No: N01-315997

Energy monitoring circuit, derives occupancy patterns in rental accommodation by monitoring energy consumption within the rental accommodation

Patent Assignee: BECK D (BECK-I); LOFGREN B (LOFG-I)

Inventor: BECK D; LOFGREN B

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
AU 9951392	A	20010412	AU 9951392	A	19990930	200146 B

Priority Applications (No Type Date): AU 9951392 A 19990930

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
AU 9951392	A	7	G01R-011/63	

Abstract (Basic): AU 9951392 A

NOVELTY - The energy monitoring circuit is used to infer occupancy patterns in rental accommodation by monitoring energy consumption within the rental accommodation. A transducer (1) is used to measure the energy consumption. The output of the transducer is amplified by an amplifier (2) and rectified by a rectifier (3). An analog to digital converter (4) outputs a digital code proportional to the rectifier output.

USE - Used for determining occupancy patterns of rental accommodation.

ADVANTAGE - Enables reliable determination of the occupancy patterns in rental accommodation.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the energy monitoring circuit.

Transducer (1)

Amplifier (2)

Rectifier (3)

Analog to digital converter (4)

pp; 7 DwgNo 1/2

Title Terms: ENERGY; MONITOR; CIRCUIT; DERIVATIVE; OCCUPY; PATTERN; RENT; ACCOMMODATE; MONITOR; ENERGY; CONSUME; RENT; ACCOMMODATE

Derwent Class: S01; S02; W05; X12

International Patent Class (Main): G01R-011/63

International Patent Class (Additional): G01D-009/02; G01R-021/133;

G08B-021/00

File Segment: EPI

13/5/31 (Item 19 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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013850369    \*\*Image available\*\*

WPI Acc No: 2001-334582/200135

XRPX Acc No: N01-241420

Electric motor monitoring apparatus for use in machine press, has comparator which compares limit setpoint with measured current draw, based on which operating state of motor is controlled

Patent Assignee: MINSTER MACHINE CO (MINT )

Inventor: KLOSTERMAN D

Number of Countries: 001    Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6208159	B1	20010327	US 9838403	A	19980311	200135 B

Priority Applications (No Type Date): US 9838403 A 19980311

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6208159	B1	10	G01R-031/34		

Abstract (Basic): US 6208159 B1

NOVELTY - A limit set point is provided based on the operational function detected by operational sensors (112). A comparator compares the limit setpoint with the current draw measured by current sensor (80). The operating state of the press drive motor (84) is controlled by a control unit based on comparison result.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Method of monitoring press machine motor;
- (b) System for use with drive motor in machine environment;
- (c) Method for use with drive motor in machine environment

USE - For monitoring electrical press drive motor in machine press.

ADVANTAGE - Removes power from drive motor when identified electrical current overload is not attributed to a normal operational cause. When a current overload is detected, the motor is halted eliminating potential damage to motor, bearings, bushings, or the rest of machine press. Detects drive motor electrical overcurrent when the press motor is operating at less than 100% capacity of its **rated** maximum capacity.

DESCRIPTION OF DRAWING(S) - The figure shows the current monitoring apparatus for machine press drive motor.

Current sensor (80)

Press drive motor (84)

Operational sensor (112)

pp; 10 DwgNo 4/4

Title Terms: ELECTRIC; MOTOR; MONITOR; APPARATUS; MACHINE; PRESS;

COMPARATOR; COMPARE; LIMIT; MEASURE; CURRENT; DRAW; BASED; OPERATE; STATE ; MOTOR; CONTROL

Derwent Class: S01; V06; X13; X25

International Patent Class (Main): G01R-031/34

International Patent Class (Additional): G01R-019/00; H02H-009/02;

H02K-023/68

File Segment: EPI

13/5/32    (Item 20 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013457376

WPI Acc No: 2000-629319/200061

XRPX Acc No: N00-466343

**Surveillance device to check the occupancy of a rented flat is based on monitoring of hot water supply temperature or power usage and recording it securely so that a flat owner can later check if the flat has been occupied or not**

Patent Assignee: WOLLNY S (WOLL-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 20007223	U1	20000817	DE 2000U2007223	U	20000420	200061 B

Priority Applications (No Type Date): DE 2000U2007223 U 20000420

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
DE 20007223	U1	10	G07C-011/00	

Abstract (Basic): DE 20007223 U1

NOVELTY - Surveillance device in which the temperature of the hot water supply to a **rented** accommodation unit can be recorded in a memory over a long period together with date and time. An INDEPENDENT CLAIM is made for a device for **monitoring** the **power** supply. In either case the surveillance device is held in a tamper proof container.

USE - Prevention of fraud by a letting agency or person by installation of a surveillance device that allows the owner of a **rented** flat check if a flat was occupied during a certain period at a much later time.

ADVANTAGE - Alternatives such as video-camera surveillance are expensive and or illegal.

pp; 10 DwgNo 0/0

Title Terms: SURVEILLANCE; DEVICE; CHECK; OCCUPY; FLAT; BASED; MONITOR; HOT ; WATER; SUPPLY; TEMPERATURE; POWER; RECORD; SECURE; SO; FLAT; OWNER; CAN ; LATE; CHECK; FLAT; OCCUPY

Derwent Class: S02; S03; T05

International Patent Class (Main): G07C-011/00

International Patent Class (Additional): G01K-013/00; G01K-017/00

File Segment: EPI

13/5/33 (Item 21 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013446148 \*\*Image available\*\*

WPI Acc No: 2000-618091/200059

Related WPI Acc No: 2002-696890

XRPX Acc No: N00-457979

**Two electrode heart rate monitor measuring power spectrum for use with exercise equipment has two electrodes and signal processor with power spectrum analyzer**

Patent Assignee: DIGITAL CONCEPTS MISSOURI INC (DIGI-N)

Inventor: RICHTER E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6115629	A	20000905	US 99260160	A	19990301	200059 B

Priority Applications (No Type Date): US 99260160 A 19990301

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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US 6115629 A 17 A61B-005/024

Abstract (Basic): US 6115629 A

NOVELTY - Heart **rate** monitor has two electrodes and a signal processor. The two electrodes sense signals of heart **rate** from different points on the body and send it to the processor. The processor determines a heart **rate** based on a signal generated from the difference between the two signals. A processed heart **rate** signal as a function of the measured power spectrum is produced.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following: a) an exercise apparatus with heart **rate** monitor, b) a method of monitoring the heart **rate** of a person.

USE - The invention is used to monitor the heart **rate** of a person.

ADVANTAGE - This is a low cost, accurate monitor which digitally processes signals on a power spectrum basis rather than a peak to peak basis, which employs two electrodes and includes an isolation barrier.

DESCRIPTION OF DRAWING(S) - The drawing shows an illustration of the process employed by the digital signal processor to generate a heart **rate** calculation from the adaptive heart beat peaks.

pp; 17 DwgNo 3/8

Title Terms: TWO; ELECTRODE; HEART; **RATE** ; MONITOR; MEASURE; POWER; SPECTRUM; EXERCISE; EQUIPMENT; TWO; ELECTRODE; SIGNAL; PROCESSOR; POWER; SPECTRUM; ANALYSE

Derwent Class: P31; S05; W04

International Patent Class (Main): A61B-005/024

File Segment: EPI; EngPI

13/5/34 (Item 22 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013025756 \*\*Image available\*\*

WPI Acc No: 2000-197607/200018

XPX Acc No: N00-146491

Monitoring **apparatus of electrical equipment i.e. television or video recorder hired to a user**

Patent Assignee: FARQUHARSON-COE A (FARQ-I)

Inventor: FARQUHARSON-COE A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2340262	A	20000216	GB 9816378	A	19980729	200018 B

Priority Applications (No Type Date): GB 9816378 A 19980729

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2340262	A		34	G07F-007/00	

Abstract (Basic): GB 2340262 A

NOVELTY - The apparatus (11) comprises a voltage regulator/back-up supply unit (12), a built in timer control unit (25) having a digital processing unit (22) controlling a switch unit (16), for controlling power in/out lines (17,18). A data port (19) enables inputting/resetting of timer unit via a data acquisition/interrogation unit (20) with the operating/back-up power taken from a low power bus of the **rental** equipment.

USE - Particularly utility in connection with the **monitoring of electrical equipment i.e. television or video recorder hired to a**

user.

ADVANTAGE - Provides for operation in even the most difficult circumstances since, except for those sufficiently skilled to open the television cabinet, locate the power switch and solder a bypass connection, users must request attendance at their premises of a company representative in order to validate the equipment for a fresh period of use.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of the major components of the monitoring apparatus.

Monitoring apparatus (11)

Voltage regulator/back-up supply unit (12)

Switch unit (16)

Controlling power in/out lines (17,18)

Data port (19)

Data acquisition/interrogation unit (20)

Digital processing unit (22)

Timer control unit (25)

pp; 34 DwgNo 1/2

Title Terms: MONITOR; APPARATUS; ELECTRIC; EQUIPMENT; TELEVISION; VIDEO; RECORD; HIRE; USER

Derwent Class: S04; T05; U21; W03; W04

International Patent Class (Main): G07F-007/00

International Patent Class (Additional): G07F-017/28

File Segment: EPI

13/5/35 (Item 23 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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011836131 \*\*Image available\*\*

WPI Acc No: 1998-253041/199823

Related WPI Acc No: 2003-185932

XRPX Acc No: N98-199864

**System for monitoring use of water in single or multi-unit building with water supply from common source - uses local receivers hard wired in series or connected on phone line to base local receiver which presents data for all local receivers**

Patent Assignee: SAAR D A (SAAR-I)

Inventor: SAAR D A

Number of Countries: 028 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 841546	A2	19980513	EP 97308887	A	19971105	199823	B
CA 2220242	A	19980508	CA 2220242	A	19971105	199837	
US 5838258	A	19981117	US 96745300	A	19961108	199902	
MX 9708550	A1	19980601	MX 978550	A	19971106	200009	
SG 71057	A1	20000321	SG 973971	A	19971106	200022	
US 6161100	A	20001212	US 96746398	A	19961108	200067	
US 6377190	B1	20020423	US 96745330	A	19961108	200232	
EP 841546	B1	20030326	EP 97308887	A	19971105	200323	
			EP 200277285	A	19971105		
DE 69720139	E	20030430	DE 620139	A	19971105	200336	
			EP 97308887	A	19971105		

Priority Applications (No Type Date): US 96746398 A 19961108; US 96745300 A 19961108; US 96745329 A 19961108; US 96745330 A 19961108

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 841546 A2 E 23 G01F-015/06

Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI



LT LU LV MC MK NL PT RO SE SI  
 CA 2220242 A G08C-019/00  
 US 5838258 A G08C-019/04  
 MX 9708550 A1 E03B-011/00  
 SG 71057 A1 E03B-001/00  
 US 6161100 A G06F-017/60  
 US 6377190 B1 G08B-023/00  
 EP 841546 B1 E G01F-015/075 Related to application EP 200277285  
 Related to patent EP 1267148

Designated States (Regional): DE FR GB IT  
 DE 69720139 E G01F-015/075 Based on patent EP 841546  
 Abstract (Basic): EP 841546 A

The system comprises a device for monitoring volumetric flow through each of the water pipes, and each monitor includes a device to determine the volumetric flow through the pipe, and device to periodically transmit a signal encoded with the volumetric flow of the pipe and the identification of the individual unit in which the pipe is disposed. A remote receiver device receives the encoded signals from each of the monitors and computes a total volumetric flow of water for the individual unit for a selected period of time.

The remote receiver comprises one receiver for receiving the encoded signals from each of the monitors and periodically transmitting volumetric flow of water for the selected unit for a selected period of time, and a second remote receiver for receiving volumetric data from the first remote receiver and presenting the total volumetric flow for the individual unit. the transmitting device comprises an RF transmitter.

ADVANTAGE - Can monitor use of heat energy in water devices , and facilitates computing of consumption of water, preparing individual bills .

Dwg.11/13

Title Terms: SYSTEM; MONITOR; WATER; SINGLE; MULTI; UNIT; BUILD; WATER; SUPPLY; COMMON; SOURCE; LOCAL; RECEIVE; HARD; WIRE; SERIES; CONNECT; TELEPHONE; LINE; BASE; LOCAL; RECEIVE; PRESENT; DATA; LOCAL; RECEIVE

Derwent Class: Q42; S02

International Patent Class (Main): E03B-001/00; E03B-011/00; G01F-015/06; G01F-015/075; G06F-017/60; G08B-023/00; G08C-019/00; G08C-019/04

International Patent Class (Additional): G01K-017/12; G08B-021/00; G08B-025/08; G08B-025/10; G08C-015/06; G08C-017/02

File Segment: EPI; EngPI

13/5/36 (Item 24 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010771936 \*\*Image available\*\*

WPI Acc No: 1996-268889/199628

XRPX Acc No: N96-226002

**Appts. for monitoring, counting, and recording occupancy frequency of rented premises - uses sensor transmitting pulse signal each time door is opened or closed to microprocessor for counting and recording data w.r.t time and date**

Patent Assignee: CIRCUIT SERVICES PTY LTD (CIRC-N)

Inventor: OLIVER G G

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
AU 669098	B	19960523	AU 9540606	A	19951221	199628 B

Priority Applications (No Type Date): AU 9540606 A 19951221

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
AU 669098 B 11 G07C-009/00

Abstract (Basic): AU 669098 B

The appts. has an entrance door monitoring unit which includes one or more sensors (11) responsive to the door movements. the sensor generates a pulse signal each time the door is opened or closed. The signals are detected, counted recorded and stored on a time and date base by a microprocessor. The monitoring unit also includes an electronic sensor (11a) which detects the open/close state of the door.

The sensor **monitors** a an optical, **electrical** , or magnetic coded key (17) fixed to the door jamb adjacent to the monitoring unit. A communication interface (15) is provided for external access and retrieval of door operation data. Additional equipment and software may be provided for detecting power supply failure or tampering activities.

USE/ADVANTAGE - Continuously and unobtrusively monitors and records occupancy frequency of **rented** accommodation such as villas and holiday apartments.

Dwg.1/2

Title Terms: APPARATUS; MONITOR; COUNT; RECORD; OCCUPY; FREQUENCY; PREMISES ; SENSE; TRANSMIT; PULSE; SIGNAL; TIME; DOOR; OPEN; CLOSE; MICROPROCESSOR ; COUNT; RECORD; DATA; TIME; DATE

Derwent Class: T05

International Patent Class (Main): G07C-009/00

International Patent Class (Additional): G07C-001/32

File Segment: EPI

13/5/37 (Item 25 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009488512 \*\*Image available\*\*

WPI Acc No: 1993-182047/199322

Related WPI Acc No: 1993-273012

XRPX Acc No: N93-139998

Monitoring device for consumer utility usage - has reset driver unit has magnetic reset switch coordinating processing of data with monthly billing cycle of utility

Patent Assignee: GREEN R G (GREE-I)

Inventor: GREEN R G

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5214587	A	19930525	US 90619195	A	19901128	199322 B

Priority Applications (No Type Date): US 90619195 A 19901128

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 5214587 A 9 G06F-015/56

Abstract (Basic): US 5214587 A

The device (10) for monitoring utility unsage comprises a meter sensor assembly (16) attached to a utility meter (14) and a customer interface unit (20) placed inside a building (12). Sensor signals from the meter sensor assembly (16) are transmitted through a reset/driver unit (18) via the cable (22) to the customedr interface unit (20) where the signal is processed into usable data that is communicated by a LCD display (114) on the front face (110) of the customer interface unit

(20).

Rotation of the meter disk (24) is sensed by infrared light signals (82) detecting the passage of the mark (38) on the edge (32) of the disk (24). The mounting assembly (40) is easily attached to the front face (30) of the transparent case (26).

USE/ADVANTAGE - Helps consumers to conserve electrical energy.

Dwg.3/5

Title Terms: MONITOR; DEVICE; CONSUME; UTILISE; RESET; DRIVE; UNIT;  
MAGNETIC; RESET; SWITCH; COORDINATE; PROCESS; DATA; MONTH; BILL ; CYCLE;  
UTILISE

Derwent Class: S01; S02; X12

International Patent Class (Main): G06F-015/56

International Patent Class (Additional): G01R-001/02

File Segment: EPI

13/5/38 (Item 26 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008734190

WPI Acc No: 1991-238206/199132

XRPX Acc No: N91-181658

**Prepayment metering system uses encoded purchase cards - to update  
utility meters in customers premises with number of units purchased and  
can disconnect supply when units run out**

Patent Assignee: CIC SYSTEMS INC (CICS-N)

Inventor: BERG T G; BUSH A M; DAY M E; FOSTER J W; JARREAU M; MILLER M P;  
SLOAN J W; SNYDER H P; JARREAU M P

Number of Countries: 020 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9110976	A	19910725				199132 B
AU 9066822	A	19910718				199141
US 5146067	A	19920908	US 90464328	A	19900112	199239
AU 636181	B	19930422	AU 9066822	A	19901121	199323
NZ 236202	A	19940126	NZ 236202	A	19901123	199407

Priority Applications (No Type Date): US 90464328 A 19900112

Cited Patents: EP 151874; GB 2188467; GB 2208955; US 4795892

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9110976 A

Designated States (National): BR CA JP KR

Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU NL SE

US 5146067 A 17 G06F-007/08

AU 636181 B G06F-015/21 patent AU 9066822

NZ 236202 A G07F-007/08

Abstract (Basic): WO 9110976 A

An accounting computer (100) in a central office is used in conjunction with point-of-sale machines (200) for encrypting a value message which is written onto the magnetic stripe on a card (300). The message contains information on the amount of utilities purchased by the customer, the utility **rates**, the site identification number, and a unique password formed by the site number, a hidden number, and the transaction number.

The magnetic card is inserted into a card reader (400) attached to a microprocessor based utility control device (500) in the customers home or office. The control **device** reads and decodes the message, and stores it in its memory for **use in monitoring utility use and**

disconnecting or connecting the utility.

ADVANTAGE - Reduces the cost of utility distribution and accounting. (51pp Dwg.No.0/1

Title Terms: PREPAYMENT; METER; SYSTEM; ENCODE; PURCHASE; CARD; UPDATE; UTILISE; METER; CUSTOMER; PREMISES; NUMBER; UNIT; PURCHASE; CAN; DISCONNECT; SUPPLY; UNIT; RUN

Derwent Class: T04; T05

International Patent Class (Main): G06F-007/08; G06F-015/21; G07F-007/08

International Patent Class (Additional): G07F-015/00

File Segment: EPI

13/5/39 (Item 27 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008410708 \*\*Image available\*\*

WPI Acc No: 1990-297709/199039

XRPX Acc No: N90-228824

Rate of use of electrical appliance monitor - uses power interface box into which TV plug is inserted and has key operated lock to deactivate temporarily

Patent Assignee: WILTS C H (WILT-I)

Inventor: BURKE M T; THYGESON D W; WILTS C H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4956825	A	19900911	US 90475164	A	19900205	199039 B

Priority Applications (No Type Date): US 90475164 A 19900205

Abstract (Basic): US 4956825 A

A use monitor for an electrical appliance provides a continuous report of appliance use time during a specific moving time interval immediately prior to the report. The monitor comprises a sensor for detecting when the appliance is in use.

A register operatively is connected to the sensor which records a continuous pulse train indicative of sequential periods of use or non-use of the appliance over the time interval. A counter counts the periods of use represented by the pulse train. A utilisor is connected to the counter for utilising the results.

USE/ADVANTAGE - Continuously monitors and reports usage rate , inter alia, number hours per week of electrically operated appliance. (8pp Dwg.No.3/3)

Title Terms: RATE ; ELECTRIC; APPLIANCE; MONITOR; POWER; INTERFACE; BOX; TELEVISION; PLUG; INSERT; KEY; OPERATE; LOCK; DEACTIVATE; TEMPORARY

Derwent Class: S04; T05; W01; W03

International Patent Class (Additional): G04F-008/00

File Segment: EPI

13/5/40 (Item 28 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008035515 \*\*Image available\*\*

WPI Acc No: 1989-300627/198941

XRPX Acc No: N89-229330

Non-intrusive electric power usage monitor for household appliances - converts analog voltage and current signals to digital form

and processes to detect changes in certain residential load parameters etc

Patent Assignee: MASSACHUSETTS INST TECHNOLOGY (MASI )

Inventor: HART G W; KERN E C; SCHWEPPE F C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4858141	A	19890815	US 86851235	A	19860414	198941 B

Priority Applications (No Type Date): US 86851235 A 19860414

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 4858141	A	12		

Abstract (Basic): US 4858141 A

The apparatus consists of a measurement system comprised of electrical sensors coupled to the power circuit entering the residence, and an analog-to-digital converter. The latter converts the sensed analog electrical parameters to digital form. A digital computer detects changes in certain parameters and calculates the net change between steady state signal periods. The computer applies "cluster analysis" techniques to the change measurements to group them into those associated with the switching ON or OFF of a single appliance. A logic program within the computer analyses the measured appliance (ON) and de-energised (OFF) parameter transitions to identify individual appliances and establish the energy consumption of individual appliances.

The computer also calculates total energy, time of use, appliance duty cycles and energy patterns. These measurements are fed to an output device for displaying the measured information. The output device may be a printer, tape drive, disk drive, telephone link to a data-storage facility, or any other suitable output device.

USE - In load forecasting for planning future generation and transmission capacity, for policy makers in rate setting and reviewing capacity expansion plans.

Title Terms: NON; INTRUDE; ELECTRIC; POWER; MONITOR; HOUSEHOLD; APPLIANCE; CONVERT; ANALOGUE; VOLTAGE; CURRENT; SIGNAL; DIGITAL; FORM; PROCESS; DETECT; CHANGE; RESIDENCE; LOAD

Derwent Class: S01; S02; W05

International Patent Class (Additional): G01R-021/06; G06F-015/46

File Segment: EPI

13/5/41 (Item 29 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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007142360

WPI Acc No: 1987-142357/198720

XRPX Acc No: N87-106645

**Power supply voltage level signalling-monitor - has electrodes of transistor and led of transistor opto-coupler connected to second supply rail**

Patent Assignee: POGOSOV P A (POGO-I)

Inventor: MELIKOV A M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 1260865	A	19860930	SU 3882334	A	19850412	198720 B

Priority Applications (No Type Date): SU 3882334 A 19850412

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
SU 1260865 A 4

Abstract (Basic): SU 1260865 A

Voltage monitor comprising polarised relay (1) with windings (2,3) and contacts (4), **charging** diode (5), diodes (6,7), capacitor (8), threshold element (11) in the form of zener (12) and resistor (13), commutating elements (15) in the form of thyristor (16), limiting resistor (17), resistor (22) and power supply rails (25,26) now includes transistorised opto-couplers, having photodiode (14) and transistor (18), capacitor (9), dynistor (23), diodes (19,24) and resistors (20,21).

When voltage on the rails (25,26) exceed the norm. current pulse, proportional to capacitor (8) **charge** increase, passes via relay (1) coil (2), simultaneously **charging** capacitor (9) via diode (19) and the large impedance of resistor (20).

**USE /ADVANTAGE** - To **monitor** power supply voltage signal levels in radioelectronic **device** power systems. It enables monitoring and signalling during gradual voltage decay. Bul.36/30.9.86. (4pp  
Dwg.No.1/1)

Title Terms: POWER; SUPPLY; VOLTAGE; LEVEL; SIGNAL; MONITOR; ELECTRODE;  
TRANSISTOR; LED; TRANSISTOR; OPTO; COUPLE; CONNECT; SECOND; SUPPLY; RAIL  
Derwent Class: S01  
International Patent Class (Additional): G01R-019/16  
File Segment: EPI

13/5/42 (Item 30 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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007110296

WPI Acc No: 1987-110293/198716

XRAM Acc No: C87-045857

XRPX Acc No: N87-082990

Using **motor** power **changes** to monitor **water levels** in washing machines - **to control depth** or rate of fill or drainage without **sensors in the drum chamber**

Patent Assignee: ESSWEIN SA (ESSN )

Inventor: DIDIER L; DUVAL J M; GEAY J C

Number of Countries: 009 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 219387	A	19870422	EP 86402007	A	19860912	198716 B
FR 2587378	A	19870320	FR 8513756	A	19850917	198717
ES 2000900	A	19880316	ES 861930	A	19860916	198918
EP 219387	B	19891011				198941
DE 3666237	G	19891116				198947

Priority Applications (No Type Date): FR 8513756 A 19850917

Cited Patents: EP 110999; EP 143685; EP 56437; EP 91336; US 2678051; US 3065618; US 3497884; US 4235085

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 219387 A F 7

Designated States (Regional): AT CH DE GB IT LI SE

EP 219387 B F

Designated States (Regional): AT CH DE GB IT LI SE

Abstract (Basic): EP 219387 A

The depth of water in the drum chamber of a washing machine is monitored or controlled by measuring the motor torque necessary to turn the drum at a constant speed and comparing it with that necessary to turn the drum in a dry chamber for a given size of load of laundry. Pref. a microprocessor compares the nominal value for a dry run with the measured value of a suitable power characteristic, such as the phase angle necessary for the drum motor power supply, or the power consumption, or the current consumed by a constant voltage drive. Pref. the difference used for control is not an instantaneous value but a mean value from a gp. of e.g. four value samples obtd. per sec., to smooth out perturbations due to transient variations in the distribution or shape of the laundry load within the drum.

USE/ADVANTAGE - To control fill levels or drainage cycles without involving ancillary sensors or instrumentation such as hygrostatic transducers on or within the chamber walls. Permits continuous assessment of intermediate water levels or **rates** of change of level.

1/3

Title Terms: MOTOR; POWER; CHANGE; MONITOR; WATER; LEVEL; WASHING; MACHINE; CONTROL; DEPTH; **RATE** ; FILL; DRAIN; SENSE; DRUM; CHAMBER

Derwent Class: F07; X27

International Patent Class (Additional): D06F-039/08

File Segment: CPI; EPI

13/5/43 (Item 31 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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004218926

WPI Acc No: 1985-045805/198508

XRPX Acc No: N85-034104

**Time or energy management of rented motorised plant - uses programmable microcomputer to limit operation of motorised plant by preset constraint on time, fuel or distance**

Patent Assignee: BALAGNY F J (BALA-I)

Inventor: BALAGNY F J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2548808	A	19850111	FR 8311317	A	19830707	198508 B

Priority Applications (No Type Date): FR 8311317 A 19830707

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
FR 2548808	A	7		

Abstract (Basic): FR 2548808 A

The time or energy management system is applicable to **rental** of stationary or mobile motor driven equipment, and uses a microcomputer (6) to permit entry of the time or energy paid for and to **monitor** time or **energy** consumption and turn off the engine when the preset allowance has been used.

The system has memories (2) and associated displays for the preset allowance and the balance remaining, and interface circuits both for connections (22,23) to a programming device to permit programming of the preset allowance and to provide monitoring (20,21) of time, distance travelled, and/or energy consumed. Visual (8) and audible (9) warnings are incorporated to signal the approaching exhaustion of the preset quantity.

USE - Programmable preset control of time, energy consumption or

distance travelled for **rental** motor powered plant.

1/1

Title Terms: TIME; ENERGY; MANAGEMENT; MOTOR; PLANT; PROGRAM; MICROCOMPUTER  
; LIMIT; OPERATE; MOTOR; PLANT; PRESET; CONSTRAIN; TIME; FUEL; DISTANCE

Index Terms/Additional Words: METER; VEHICLE

Derwent Class: T05; X22

International Patent Class (Additional): G07F-007/08; G07F-017/00

File Segment: EPI

**13/5/44** (Item 32 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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004165997

WPI Acc No: 1984-311536/198450

XRPX Acc No: N84-232375

**Non-magnetic product wall thickness monitor - has rigid-sided hollow elastic roller as moving contact with elastic dielectric washer in roller cavity**

Patent Assignee: ZELENKOV V F (ZELE-I)

Inventor: ZELENKOV V F

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 1089396	A	19840430	SU 3534401	A	19830106	198450 B

Priority Applications (No Type Date): SU 3534401 A 19830106

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
SU 1089396	A		3		

Abstract (Basic): SU 1089396 A

The device contains a fault-detector transducer (2) and moving contact (3) connected to it mechanically and lying on other side of product (1) and longitudinal transducer displacement drive (4). Elastic contact (3) is a hollow roller (5) with rigid sides (6,7) which can move towards each other and elastic

dielectric washer (8) in roller cavity and two coaxial shafts (9,10) which can move relative to each other and interact with sides (6,7) respectively. Rotation-drive mechanism (11) attached to shafts (9,10) is attached to longitudinal displacement drive (4).

When transducer (2) is taken to product section to be monitored, shafts (9,10) move relative to each other and compress roller walls with contact (3) touching inner product wall. Metallisation and strain are reduced in product walls drive mechanism (11) rotates shafts (9,10) at **rate** ensuring linear velocity of contact (3) is equal to linear rotational velocity of inner wall of product (1). Transducer (2) and roller (5) are displaced longitudinally along product surface being monitored and product rotates about its own axis. When HF currents are fed to transducer (2), eddy excitation currents are generated in working surface of contact with metallic sputtering of roller (5). Eddy currents alter basic magnetic excitation flux by magnitude inversely proportional to wall thickness. **USE/ADVANTAGE - For use in equipment monitoring**, nonelectrical magnitudes by **electrical** methods e.g. **monitoring** wall thickness of products (1) made of nonmagnetic material. The working life of components is extended for continuous monitoring of manufactured products, a reduced volume of technical equipment is required, monitoring productivity is increased and adverse side-effects are reduced. Bul.16/30.4.84



(3pp Dwg.No.1/2  
Title Terms: NON; MAGNETIC; PRODUCT; WALL; THICK; MONITOR; RIGID; SIDE;  
HOLLOW; ELASTIC; ROLL; MOVE; CONTACT; ELASTIC; DIELECTRIC; WASHER; ROLL;  
CAVITY  
Derwent Class: S02  
International Patent Class (Additional): G01B-007/02  
File Segment: EPI

13/5/45 (Item 33 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.

001470513

WPI Acc No: 1976-D3418X/197615

**Monitoring and fault locating process for telecom. cables - number of  
necessary answering channels smaller than monitored points**

Patent Assignee: LICENTIA PATENT-VERW GMBH (LICN )

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 2444558	A	19760401				197615 B
DE 2444558	C	19820722				198230

Priority Applications (No Type Date): DE 2444558 A 19740918

Abstract (Basic): DE 2444558 A

The monitoring and fault locating procedure in telecommunications cables is suitable for installations with several networks on different levels but with a **rental** transmitting location. A monitoring arrangement is assigned to every active and passive intermediate and end location. The arrangement generates a certain voltage for correct working and a different voltage for faulty working. A logic coupling circuit in one or several of the branching points gathers together the monitor signals arriving from subsidiary branches of the network. A binary coded signal is available at the output of the coupling circuit for every end and intermediate location with associated section of cable. This signal contains n bit positions for 2 to the **power** of n **monitored** positions.

Title Terms: MONITOR; FAULT; LOCATE; PROCESS; CABLE; NUMBER; NECESSARY;  
ANSWER; CHANNEL; SMALLER; MONITOR; POINT

Derwent Class: W02

International Patent Class (Additional): H04B-003/46

File Segment: EPI

S1 5374584 ENERGY OR UTILITY OR ELECTRIC? OR UTILITIES  
 S2 3440131 TRACK? OR MONITOR? OR TRACING  
 S3 1373081 RENTAL OR RENTING OR RENTED OR RENTS OR LEASE? ? OR LEASING  
 S4 10459448 USE OR USAGE OR USAGE OR USING  
 S5 11800006 RATE? ? OR BILL??? OR CHARG? OR FEE OR FEES  
 S6 12539598 EQUIPMENT OR MERCHANDI? OR DEVICE? ? OR ELECTRONIC? ? OR G-  
 ADGET? ? OR MACHINE? OR APPLIANCE?  
 S7 43794 S1(5N)S2  
 S8 4739 S3(5N)S5(5N)S4  
 S9 7 S7(2S)S8  
 S10 6 RD (unique items)  
 S11 223 S7(S)S3  
 S12 499549 BASED(5N) (S4 OR USED)  
 S13 6423 S12(5N)S1  
 S14 106898 S3(5N)S5  
 S15 3 S13(S)S14  
 S16 3 RD (unique items)  
 S17 74 S13(2S)S3  
 S18 59 S17 NOT PY>2001  
 S19 43 RD (unique items)  
 S20 26790 S2(30N)S3  
 S21 864766 BASED(10N) (S4 OR USED)  
 S22 309 S20(S)S21  
 S23 88 S22(20N)S5  
 S24 75 S23 NOT PD=20010424:20050727  
 S25 37 RD (unique items)  
 S26 10944 SUPERDOME OR NETSERVER  
 S27 138 S26(S)S3  
 S28 112 S27 NOT PD=20010424:20050727  
 S29 64 RD (unique items)  
 S30 42 S29 AND S5  
 S31 53 S28 AND HP  
 S32 24 RD (unique items)  
 S33 63873 REMOTE?(4N)S2  
 S34 324171 S1(5N) (S4 OR USED)  
 S35 552 S33(20N)S34  
 S36 44 S35(S) (BILL??? OR CHARG? OR FEE OR FEES)  
 S37 31 S36 NOT PD=20010424:20050727  
 S38 18 RD (unique items)

? show file

File 9:Business & Industry(R) Jul/1994-2005/Jul 27  
 (c) 2005 The Gale Group  
 File 15:ABI/Inform(R) 1971-2005/Jul 28  
 (c) 2005 ProQuest Info&Learning  
 File 16:Gale Group PROMT(R) 1990-2005/Jul 27  
 (c) 2005 The Gale Group  
 File 148:Gale Group Trade & Industry DB 1976-2005/Jul 28  
 (c)2005 The Gale Group  
 File 160:Gale Group PROMT(R) 1972-1989  
 (c) 1999 The Gale Group  
 File 275:Gale Group Computer DB(TM) 1983-2005/Jul 28  
 (c) 2005 The Gale Group  
 File 621:Gale Group New Prod.Annou.(R) 1985-2005/Jul 28  
 (c) 2005 The Gale Group  
 File 636:Gale Group Newsletter DB(TM) 1987-2005/Jul 27  
 (c) 2005 The Gale Group

10/3,K/1 (Item 1 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
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41151912 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Preliminary 2004 Telecom Italia Earnings Conference Call - Part 2**  
FAIR DISCLOSURE WIRE  
February 25, 2005  
JOURNAL CODE: WFDW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 4893

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... back. Also if you could comment also on the recent proposal of introducing wholesale and **rental** in Italy, please. RICCARDO RUGGIERO: On the traffic side, honestly, we went from about 2...

... which in any case can always happen in this market. For what concerns wholesale line **rental**, this is something which we are discussing with the NRA, which has not of course...

... to protect unbundling and infrastructure investments of other companies which are doing these, wholesale line **rental** has to have a limitation in terms of how long you have used the wholesale line **rental**, and when you are able to switch from wholesale line **rental** to unbundling. And from a geographic point not to have wholesale line **rental** which is basically overlapping with unbundling in one area. So having, where you have unbundling, you might not have wholesale line **rental**. But again we are discussing all these elements with the NRA in order to have...

... if you want to go via unbundling or via share access, and the wholesale line **rental** model. I think a decision will be taken by the next NRA. The actual NRA...

10/3,K/2 (Item 2 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

40736437  
**YES BANK: PAY PER USE (ties up with WI on a technology rental model)**  
INDIA BUSINESS INSIGHT  
February 13, 2005  
JOURNAL CODE: WIBI LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 75

**YES BANK: PAY PER USE (ties up with WI on a technology rental model)**

10/3,K/3 (Item 3 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

40397157 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**The Wired 20**

**The second edition of the BT survey on organisations that set the standard for the usage of IT in 2004.**

Nitya Varadarajan, Supriya Shrinete, E. Kumar Sharma, Priya Srinivasan, Kushan Mitra, Rahul Sachitanand, Nitya Varadarajan  
BUSINESS TODAY (INDIA), p72

February 13, 2005  
JOURNAL CODE: WBTI LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 4539

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... decided to partner with a tech firm and go with a variable cost model or **pay per use** model on all our technology." In effect, Yes Bank will not own any of the...

10/3,K/4 (Item 4 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

38951612  
**3 Reaches The 'Magic 20' Figure, But Challenges Remain**  
PBI - INSIDE DIGITAL TV  
November 10, 2004  
JOURNAL CODE: PBID LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 1215

...bearing fruit, and 3 is finding that operators that start using the service as a **Pay - Per - Use** service soon migrate to a more packaged form of pricing.

Challenges For Content Providers With...

10/3,K/5 (Item 5 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

38942320  
**Nippon Telegraph - Interim Results**  
CNF  
November 10, 2004  
JOURNAL CODE: WRNS LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 6778

...BB on FLET'S" in partnership with another company and is working to make the **pay - per - use** service "FLET'S on Demand" accessible to more users. NTT East has also taken a...to 4.21 million as a result of the shift to broadband access services. In **leased** circuit services, as of the end of September 2004 the total number of High Super...2,056 ) 224,417 IP Services Revenues 67,054 98,036 30,981 151,343 **Leased** Circuit Services Revenues (excluding the amounts of IP 125,722 105,123 (20,599 ) 246...

...1.2 ) (1.2% ) IP Services Revenues 82.4 55.2 27.2 49.3% **Leased** Circuit Services Revenues (excluding the 87.4 101.8 (14.3 ) (14.1% ) amounts of... 1,230 ) 216,169 IP Services Revenues 55,233 82,481 27,247 127,284 **Leased** Circuit Services Revenues (excluding the amounts 101,816 87,440 (14,376 ) 206,031 of...

10/3,K/6 (Item 6 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

38132136 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Swedfund picks up 17.24 pc stake in Indian Infrastructure Equipment**  
BUSINESS LINE  
October 01, 2004  
JOURNAL CODE: FBLN LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 463

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... another 57 per cent in the company that rents out equipment to contractors on a **pay - per - use** basis.

Announcing its return to India, Swedfund's Senior Investment Officer, Mr Arne Georgzen, during...

**10/3,K/7 (Item 7 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

37695305 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**ALADDIN KNOWLEDGE SYSTEMS: Aladdin announces HASP HL The next generation software protection key**  
M2 PRESSWIRE  
September 08, 2004  
JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 934

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... sales and licensing models, including feature-based and component licensing, evaluation, rental, floating, subscription, trial, **pay - per - use** and more.

New, Powerful Features Inside HASP HL  
Unparalleled Ease of Use - Shortens R&D...

**10/3,K/8 (Item 8 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

37685044 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Aladdin Announces HASP(R) HL - The Next Generation Software Protection Key**  
PR NEWSWIRE (US)  
September 08, 2004  
JOURNAL CODE: WPRU LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 921

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... sales and licensing models, including feature-based and component licensing, evaluation, rental, floating, subscription, trial, **pay - per - use** and more. New, Powerful Features Inside HASP HL Unparalleled Ease of Use -- Shortens R&D...

**10/3,K/9 (Item 9 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

36955970  
**Konami Corp - 1st Quarter Results**

CNF

July 29, 2004

JOURNAL CODE: WRNS LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 4746

... 451 Identifiable intangible assets 45,984 45,942 423,702 Goodwill  
463 463 4,270 Lease deposits 23,967 24,016 221,489 Other assets 11,979  
13,826 127,510...

...026 Current portion of long-term debt and 2,900 2,756 25,417 capital  
lease obligations Trade notes and accounts payable 15,998 13,664 126,017  
Accrued income taxes...

...7 65,857 23.2 607,369 LONG-TERM LIABILITIES: Long-term debt and capital  
lease 68,195 67,814 625,417 obligations, less current portion Accrued  
pension and severance costs...subsidiaries, net of (206) - - cash acquired  
Decrease in time deposits, net 63 - - Decrease (increase) in lease  
deposits, net (111) 48 443 Other, net (255) 69 636 Net cash used in  
investing...

... 4,199 - - Repayments of long-term debt (2) (232) (2,140) Principal  
payments under capital lease (584) (641) (5,912) obligations Dividends  
paid (5,318) (4,099) (37,803) Purchases of...

10/3,K/10 (Item 10 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2005 The Dialog Corp. All rts. reserv.

36833406 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Sprint Canada (Call-Net) launches broadband phone service**

PR NEWswire (US)

July 22, 2004

JOURNAL CODE: WPRU LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1769

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... 34.95 -----  
----- Basic plus 5 features \$31.95 \$34.95  
-----  
Gateway \$75.00 \$135.00 - Rented Rented \$119.95 includes \$79.95 4 months  
-----  
Activation or cancellation fee No No \$39.00...

10/3,K/11 (Item 11 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2005 The Dialog Corp. All rts. reserv.

36313457 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**'E-exchange' platform (HL) ..BY: By Rozana Sani ..LD: THE Airfreight  
Forwarders Association of Malaysia (AFAM) has drawn up plans to  
establish an integrated electronic platform for seamless connectivity  
among members as well as other players, thus enablin**

NEW STRAITS TIMES (MALAYSIA)

June 24, 2004

JOURNAL CODE: FNST LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 615

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... package for our members. Right now we're looking at a rental system or a **pay - per - use** package. We do not want to be locked into a certain technology unnecessarily," he said...

**10/3,K/12 (Item 12 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

36097211 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Sun powers up new pay-per-use model**  
**Metered pricing system aims to cut out up-front expenditure**  
NEWSWIRE (VNU)  
June 14, 2004  
JOURNAL CODE: WNEW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 296

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... way to do this is to make the licensing, leasing and purchasing of products easier. **Pay - per - use** is an attempt to get away from over capacity, and SME businesses could benefit from...

**10/3,K/13 (Item 13 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
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36066149 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Storage - Sun powers up new pay-per-use model.**  
Arif Mohamed and Karl Flinders.  
COMPUTER RESELLER NEWS, p15  
June 14, 2004  
JOURNAL CODE: WPCD LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 295

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... way to do this is to make the licensing, leasing and purchasing of products easier. **Pay - per - use** is an attempt to get away from over capacity, and SME businesses could benefit from...

**10/3,K/14 (Item 14 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

36006632 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Sun sets new standard for software fees**  
Borisuthiboun Dasaneyavaja  
BANGKOK POST  
June 09, 2004  
JOURNAL CODE: FBKP LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 510

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... claimed as three times cheaper than purchasing or **leasing** the same storage. However, the storage subscription service is currently

available for high-end users...

10/3,K/15 (Item 15 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
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35371388 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**TELUS Reports First Quarter Results**  
PR NEWSWIRE (US)  
May 05, 2004  
JOURNAL CODE: WPRU LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 7776

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... compared with the same period in 2003, primarily as a result of lower voice equipment **rental** and sales and the conclusion in the first quarter of 2004 of amortization of deferred...

10/3,K/16 (Item 16 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
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35356183 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Event Brief of Q1 2004 WebEx Communications, Inc. Earnings WebEx Online Meeting - Part 1**  
FAIR DISCLOSURE WIRE  
April 20, 2004  
JOURNAL CODE: WFDW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 4602

...59-61m and diluted EPS of \$0.20-0.22. 6. Real Estate: 1. The **leases** for two of the co.'s three office buildings in San Jose expired this summer. 2. WEBX is taking advantage of the soft **rental** market to **lease** space for a ten-year term in an unoccupied building. 3. The co. will take...

... the new space in increments over three years through the end of its three current **leases**. 1. At the end of that transition, the co. would have consolidated in one building...

10/3,K/17 (Item 17 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

34899222  
**Pressure forces flexible software licences**  
**'Balance of power' shifting from vendors towards customers**  
NEWSWIRE (VNU)  
April 08, 2004  
JOURNAL CODE: WNEW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 390

... had a policy of being flexible on licences, whether it's to purchase them or **lease** them. "The uptake of each type varies greatly throughout the world. There are often tax...



10/3,K/18 (Item 18 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
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34629430

**TIEBU Aims To Generate Revenues Over Rs 500 Crore In Current Fiscal**  
FINANCIAL EXPRESS

March 25, 2004

JOURNAL CODE: WFEX LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 381

... For the IT services industry, TIEBU is offering shared lines for domestic connectivity instead of leased lines between its multiple locations in the country.

10/3,K/19 (Item 19 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

34245578 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**OLYMPUS TO OFFER PAY-PER-USE ENDOSCOPE RENTAL SERVICE IN '05**  
ASIA PULSE

March 05, 2004

JOURNAL CODE: WAPL LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 278

**OLYMPUS TO OFFER PAY-PER-USE ENDOSCOPE RENTAL SERVICE IN '05**

...TSE:7733) plans to start in the spring of next year a pay-per-use rental endoscope service for medical institutions.

The company hopes that the service will enable it to...

10/3,K/20 (Item 20 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
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34208704 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Event Brief of Preliminary 2003 Telecom Italia Earnings Conference Call -**  
Part 3

FAIR DISCLOSURE WIRE

February 18, 2004

JOURNAL CODE: WFDW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 3577

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... a new service Verilog, because we had some churn on flat when you have a pay - per - use product, the churn is very low, because again the pay - per - use . You have to more look what is the usage more than the churn on that pay - per - use . Q39. Few follow-up questions on ADSL. The first one is on the International ADSL...

10/3,K/21 (Item 21 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

34015649 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**NDS Launches Mobile DRM Solution At 3GSM; NDS Mobile DRM Solution for  
Content Providers and Mobile Networks**  
BUSINESS WIRE  
February 23, 2004  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 614

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... subscriptions, secure super distribution, pay-per-time, rental,  
pay-per-level, gifting, free preview, and **pay - per - use** and metering  
functions. NDS's mobile DRM solution will ensure that mobile operators and  
content...

10/3,K/22 (Item 22 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

33948888 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**NDS Supports Open Mobile Alliance -OMA- DRM Version 2.0**  
BUSINESS WIRE  
February 19, 2004  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 716

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... subscriptions, secure super distribution, pay-per-time, rental,  
pay-per-level, gifting, free preview, and **pay - per - use** and metering  
functions. NDS's mobile DRM solution will ensure that mobile operators and  
content...

10/3,K/23 (Item 23 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

33777245  
**Concept Of Virtual Network Operator Yet To Take Off**  
FINANCIAL EXPRESS  
February 10, 2004  
JOURNAL CODE: WFEX LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 797

...some MVNOs who could be owning the core networks but take the radio  
access on **lease**," says Nokia Networks sales director core networks for  
Apac region Petri Moilanen. "Based on our...

... asked if there are any similarities in the Virtual Network Operator  
(VNO) model and Bhartis **pay - per - use** model, Bhartis president-mobility  
Manoj Kohli says, "No. This is a pay-as-you-grow...

10/3,K/24 (Item 24 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
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33686161 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Life: Inside IT: Gates offers customers a relationship: Microsoft thinks its new CRM software will give smaller businesses the kind of customer relationship management systems normally seen in larger firms, reports Ken Young**

KEN YOUNG

GUARDIAN

February 05, 2004

JOURNAL CODE: FGDN LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1122

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... firms. However, it will also be available on a pay-per-use basis through software **rental** services, which may allow costs to be reined in. Microsoft's plan is to let...

**10/3,K/25 (Item 25 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

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33665993 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Gates offers customers a relationship: Microsoft thinks its new CRM software will give smaller businesses the kind of customer relationship management systems normally seen in larger firms, reports Ken Young**

GUARDIAN

February 05, 2004

JOURNAL CODE: FGDN LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1122

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... firms. However, it will also be available on a pay-per-use basis through software **rental** services, which may allow costs to be reined in. Microsoft's plan is to let...

**10/3,K/26 (Item 26 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

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32718933 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Blade Servers Boost HP Virtualization Scheme**

W. David Gardner, TechWeb News

CMPNETASIA.COM

December 05, 2003

JOURNAL CODE: WCMP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 437

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... protected from overly high bills, because invoicing would never exceed the cost of purchasing or **leasing** the mainframes.

HP's ProLiant BL blade servers were a key part of the announcement...

**10/3,K/27 (Item 27 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

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32129823 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**NOVEMBER 6, 2003 - 09:00 ET**  
CCN NEWSWIRE  
November 06, 2003  
JOURNAL CODE: WCCN LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 609

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... doctors," says Paul King, HN's Director of Technology. "We also plan to package the **rental** of the FatPort wireless Internet access with the **rental** of a laptop computer, for those patients who do not bring their own laptop or PDA from home. Including the equipment as part of the **rental** service is an integral part of our "managed solution" offerings." Based on the success of...

**10/3,K/28 (Item 28 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

31064235 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Defining Next-Generation Deployments for Utility Computing**  
Joy Tang  
NETWORK COMPUTING ASIAN EDITION  
September 01, 2003  
JOURNAL CODE: WNET LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 2261

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... long as they use it). There is also Pay Per Use (PPU), a usage-based **lease** programme where the equipment may reside with HP or at the customer site.  
K Sudershan...

**10/3,K/29 (Item 29 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

30915499 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Single billing may lead to cheaper line rentals**  
Elaine O'Regan  
SUNDAY BUSINESS POST  
August 24, 2003  
JOURNAL CODE: FSBP LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 954

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... is also more flexible," he said. There is no set-up or rental charge. You **pay per use** at 25 cent per minute per user." Esat BT offers SME customers a special management...

**10/3,K/30 (Item 30 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

30796160

**CANADA: VISUALMED SEES INCREASED MARKET DEMAND FOR ITS CLINICAL INFORMATION SYSTEM.**

INFOPROD

August 21, 2003

JOURNAL CODE: WINP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 536

...leasing or long-term financing for hospitals that choose to acquire the system on a **pay - per - use** basis. The VisualMED solution compares very favourably against its closest competition in the areas of...

**10/3,K/31 (Item 31 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2005 The Dialog Corp. All rts. reserv.

30564916 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**C-Chip Announces Conversion of US\$2M Debenture Held by Capex Investments Limited**

BUSINESS WIRE

August 07, 2003

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 527

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... a leading provider of security and credit management solutions for insurance companies, lending institutions and **leasing** companies in the automotive market, business machine and equipment sector. Our initial marketing thrust is...

**10/3,K/32 (Item 32 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2005 The Dialog Corp. All rts. reserv.

30564446 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**OTC Bulletin Board SYMBOL: CCHI**

CCN NEWSWIRE

August 07, 2003

JOURNAL CODE: WCCN LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 523

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... a leading provider of security and credit management solutions for insurance companies, lending institutions and **leasing** companies in the automotive market, business machine and equipment sector. Our initial marketing thrust is...

**10/3,K/33 (Item 33 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2005 The Dialog Corp. All rts. reserv.

16250095 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**An update from Robert Simoneau, Inventor of the C-Chip and President of Credit-Chip Corporation**

PR NEWSWIRE

April 19, 2001

JOURNAL CODE: WPRW    LANGUAGE: English    RECORD TYPE: FULLTEXT  
WORD COUNT: 700

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... of goods and services remotely without physical intervention. Other applications such as the control of **pay - per - use** and others create huge opportunities. Detailed information on the technology and its multiple applications is...

**10/3,K/34        (Item 34 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

16110519 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**@business: Give me your huddled masses of personal data: The Networker**

JOHN NAUGHTON

OBSERVER, p7

March 25, 2001

JOURNAL CODE: FOBS    LANGUAGE: English    RECORD TYPE: FULLTEXT  
WORD COUNT: 632

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... become less concerned about owning applications software and more disposed to renting it on a **pay - per - use** basis.

The new Microsoft business model positions the company to exploit this brave new world...

**10/3,K/35        (Item 35 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

15993519 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Utility pricing model**

NEW STRAITS TIMES (MALAYSIA)

April 04, 2001

JOURNAL CODE: FNST    LANGUAGE: English    RECORD TYPE: FULLTEXT  
WORD COUNT: 283

... their needs grow. This is an addition to the traditional pricing options of purchasing and **leasing**.

This model, however, is not new in the high-end computing market. Sun Microsystems also...

**10/3,K/36        (Item 36 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

15707416 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Vianet Introduces New ASP Application Product; Via-LS Creates Turn-Key Revenue Generation Services for ASPs and Vianet**

BUSINESS WIRE

March 20, 2001

JOURNAL CODE: WBWE    LANGUAGE: English    RECORD TYPE: FULLTEXT  
WORD COUNT: 663

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... is generated."  
With the Vianet Interactive Application Licensing Server, service providers can:  
-- Create trial, rental, **pay - per - use** or permanent license versions of Vianet products  
-- Trigger any actions defined including: convert trial licensed...

10/3,K/37 (Item 37 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

14019557 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Aladdin Enhances Privilege Licensing System**  
BUSINESS WIRE  
November 30, 2000  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 760

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... software vendors to:  
-- Create unique software licenses for renting, leasing, demo, try-before-you-buy, **pay per use**, or time-based solutions  
-- Protect applications in a licensing environment that enforces license terms, regardless...

10/3,K/38 (Item 38 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

13440419 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Steps taken to curb software piracy**  
Staff Reporter  
TIMES OF INDIA  
October 24, 2000  
JOURNAL CODE: WTIN LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 205

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... available on rental basis for educational purposes. The association subscribes to the view that the '**pay per use**' mode of software usage is the way of the future.  
It is the representative body...

10/3,K/39 (Item 39 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

13108574 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**C&W to pay Nortel pounds 950m to expand internet voice technology initiative: Leaps in technology are slashing costs and forcing telecoms firms to rewrite business models**  
INDEPENDENT

October 03, 2000  
JOURNAL CODE: FIND LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 883

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... model for telecoms companies of the future has three strands: a set monthly rental charge; **pay - per - use** charges for accessing video-on-demand and interactive games; and commissions from providing the network...

... shifted from being virtually totally dependent on voice minutes to a monthly charge (augmented by) **pay - per - use** and impulse purchase revenues."

The services to emerge from the spread of VoIP will range...

**10/3,K/40 (Item 40 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

13041326 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Market Headed Towards Utility Computing - HP**  
NEWSBYTES  
September 27, 2000  
JOURNAL CODE: FNEW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 1194

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... and services, and pay HP based on predetermined business outcomes, rather than outright purchase or **lease** of these.

As such, these utility pricing models help service providers manage revenue streams more...

**10/3,K/41 (Item 41 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

12883829 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Yummy Interactive Signs Strategic Alliance with AltaVista;**  
PR NEWSWIRE  
September 18, 2000  
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 728

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Internet delivery," said Nick Mellios, president and CEO of Yummy Interactive. "The emergence of software **rental** will enhance and expand the way that people use PCs by giving them access to...

**10/3,K/42 (Item 42 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

12842941 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**GEEK SPEAK**



SECTION TITLE: FEATURES  
CHRISTCHURCH PRESS , 2 ed, p21  
September 14, 2000  
JOURNAL CODE: WTCP LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 228

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... organisation which offers software programs and related services over the Internet on a rental or **pay - per - use** basis rather than buying the program outright. Users run the software by logging in over...

10/3,K/43 (Item 43 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

12770302 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Aegisoft Corporation Announces International Agreement with ARCMEDIA.COM Inc. For Digital Rights Management Software to Protect Digital Content Delivered Over the Internet**  
PR NEWSWIRE  
September 11, 2000  
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 479

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... content, while presenting new business models for distribution (rental, leasing, subscription, try-before-you-buy, **pay - per - use**, piracy prevention, etc.).  
About Aegisoft  
Aegisoft Corporation, headquartered in Rockville, MD, is the world's  
...

10/3,K/44 (Item 44 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

11884702 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Carter Holt Harvey goes rental**  
SECTION TITLE: NEWS  
PULLAR-STRECKER Tom  
INFOTECH WEEKLY , 2 ed, p10  
July 10, 2000  
JOURNAL CODE: WIWY LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 426

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... unit, which rents out a wide range of mainstream business software over the Internet on **pay - per - use** basis.  
It is "entirely possible" the company might consider renting more software applications, such as...

10/3,K/45 (Item 45 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

11374122 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Internet Delivery Ignites as Trymedia Systems Announces New Technology and  
Customers; ActiveMARK Debuts as Partners Come On Board**  
BUSINESS WIRE  
June 06, 2000  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 838

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... pay for only those they use. Assets can be delivered on a perpetual  
or rental ( **pay - per - use** ) basis - and can be quickly deployed because  
ActiveMARK requires no custom development or access to...

10/3,K/46 (Item 46 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

11177776 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Checklist for mobile workforce: Workers' needs differ**  
TERRENCE BELFORD  
FINANCIAL POST, p02  
May 24, 2000  
JOURNAL CODE: FFP LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 663

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... with first rate sales force automation and contact management  
programs that rent them on a **pay - per - use** basis. And, as new versions  
are introduced, you automatically get the latest upgrades -- usually at...

10/3,K/47 (Item 47 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

10601058 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Teaching how to think, inside the box**  
TERRENCE BELFORD  
FINANCIAL POST, p02  
April 17, 2000  
JOURNAL CODE: FFP LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 180

... application, which combines the easy access of the Internet with  
the budget-saving benefits of **pay - per - use** . It's called E-Learning on  
Tap.

10/3,K/48 (Item 48 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

10169390 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**GeoNet Forms Alliance With Maurer Engineering to Deliver Over 30 Oil and  
Gas Software Applications Online; Deal Will Accelerate New Software  
Delivery Model In World's Largest B2B Segment**

BUSINESS WIRE  
March 21, 2000

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 415

...of Maurer's industry-specific software with the option to lease its offerings on a **pay - per - use** basis via the Internet.

10/3,K/49 (Item 49 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

09492494 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Singapore Net Startups Combine**  
NEWSBYTES  
February 08, 2000  
JOURNAL CODE: FNEW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 245

(USE FORMAT 7 OR 9 FOR FULLTEXT)

An ASP offers software applications for "rental" over the Internet to subscribers on a **pay - per - use** or per-user basis. This obviates such problems as the costly and troublesome upgrades, or...

10/3,K/50 (Item 50 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

09143763 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**India: Picking the right software for the job**  
BUSINESS LINE  
January 17, 2000  
JOURNAL CODE: FBLN LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 1007

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... years."

So, wouldn't application service providers - who lease out software and hardware on a **pay - per - use** basis - solve the problem for the bank? Mr. Ramalingam does not think so. "For small companies, the **rental** model will work. But for large banks such as ours, we will end up paying...

10/3,K/51 (Item 51 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

08611034 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Inprise bets farm on ASP market**  
SECTION TITLE: FEATURES  
ARMSTRONG David  
CHRISTCHURCH PRESS , 2 ed, p13  
December 07, 1999  
JOURNAL CODE: WTCP LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 589

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... the term to describe a new business IT model characterised by renting software on a **pay - per - use** basis over the Internet.

Mr Porter says Inprise's view is much broader. "Application service...

10/3,K/52 (Item 52 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2005 The Dialog Corp. All rts. reserv.

08280048 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**India: CA's Wang cautions on outsourcing decisions**

BUSINESS LINE

November 18, 1999

JOURNAL CODE: FBLN LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 692

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... provider model wherein applications from CA will be available on a pay-per-use - or **rental** - basis. It is learnt that efforts in this direction are already underway in a Chinese...

10/3,K/53 (Item 53 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2005 The Dialog Corp. All rts. reserv.

08126079 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**India: SAP initiative for application hosting**

BUSINESS LINE

November 09, 1999

JOURNAL CODE: FBLN LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 343

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... will be no upfront investment required from the companies. They will be charged on a **pay per use** basis," Mr. Hayman said.

Further, as SMEs may not require an end-to-end ERP...

10/3,K/54 (Item 54 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2005 The Dialog Corp. All rts. reserv.

07926850 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Cyrus InterSoft's Speiros Technology Makes it Easy for ISPs to Enhance Customer Experience and Boost Revenue**

PR NEWSWIRE

October 26, 1999

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 651

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... use basis. In addition, ISPs with hosting services can easily expand from hosting to application **rental**."

Speiros is an all-Java network-computing environment that makes Java

applications available on demand...

10/3,K/55 (Item 55 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

07593355 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**BIZTONE BUSINESS CONCEPT TO BE FOLLOWED BY MICROSOFT**  
BERNAMA THE MALAYSIAN NATIONAL NEWS AGENCY  
October 05, 1999  
JOURNAL CODE: FBNM LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 260

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... is BizTone.com, which pioneered the concept of renting, rather than selling software, as a **pay - per - use** service over the Internet, it said.

The company said renting software over the internet, instead...

10/3,K/56 (Item 56 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

07583236 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**MALAYSIA'S BIZTONE.COM LEADS INTERNET APPLICATIONS**  
ASIA PULSE  
October 05, 1999  
JOURNAL CODE: WAPL LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 202

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... of London.

BizTone.com pioneered the concept of renting, rather than selling software, as a **pay - per - use** service over the Internet, it said.

The company said renting software over the internet, instead...

10/3,K/57 (Item 57 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

07379178 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**CANADA: INTERNET USAGE: AN OVERVIEW (3)**  
INTERNATIONAL MARKET INSIGHT REPORTS  
September 22, 1999  
JOURNAL CODE: FIMI LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 1808

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... electronic commerce solutions, domain name registration, domain park service, corporate Web site hosting and equipment **leasing**. It is estimated that the cost of transmitting information as e-mail over the Internet...

10/3,K/58 (Item 58 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

07187697 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Great Plains to roll out software, services for firms**  
BUSINESS TIMES (MALAYSIA)  
September 10, 1999  
JOURNAL CODE: FBTM LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 311

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... economies in the region just recovering from a currency crisis, a software lease option or **pay - per - use** model will better appeal to local businesses.

Great Plains has no such options for the...

10/3,K/59 (Item 59 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

07013286 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**India: Beat obsolescence with rental software**  
BUSINESS LINE  
September 03, 1999  
JOURNAL CODE: FBLN LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 939

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... markets to deploy the pay-per-use model. Solution6, an Australia based company, recently began **renting** SAP's R/3 software over the Internet to end users following an agreement with...

10/3,K/60 (Item 60 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
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06772715 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Software freebie from BizTone**  
BUSINESS TIMES (MALAYSIA), p18  
August 17, 1999  
JOURNAL CODE: FBTM LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 274

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... master control data. It rents out the software over the Internet to customers on a **pay - per - use** basis.

Industry analysts see this as a preemptive move to capture market share and in...

10/3,K/61 (Item 61 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

06751645 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**SEQUENT COMPUTER SYSTEMS: iasoft.com joins @Ready program to develop ASP solutions for Internet apps**  
M2 PRESSWIRE  
August 17, 1999  
JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 302

... offer applications directly to customers via the Internet with new options, including application 'rental' and **pay - per - use** . As part of the @Ready Program, the applications will be rigorously tested and proofed in...

10/3,K/62 (Item 62 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

03558414 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Let off the lease.**  
**Software to rent is back - stretching the IT pound even further,**  
ACCOUNTANCY AGE, p27  
November 26, 1998  
JOURNAL CODE: WACA LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 2422

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... IT finance can be broken down into three main areas: rental and lease, on-line **pay - per - use** (using Internet servers to record each time an application is used) and outsourcing.  
Rental and...

10/3,K/63 (Item 63 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

02607083 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**HNS VSAT Satellite System Enables Mail Boxes Etc. To Provide High-Speed Internet Access For Consumers And Improved Communication Programs For Franchisees**  
PR NEWSWIRE  
August 25, 1998  
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 682

... offer high-speed, pay-per-use Internet access for consumers via in-center computer, time- **rental** workstations.

10/3,K/64 (Item 64 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

02579845 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Universal Hospital Services Bank Loan Rating Lowered to B+ by Standard & Poor's**  
PR NEWSWIRE  
August 21, 1998

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 446

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... states and the District of Columbia. The firm's rental policy charges customers on a **pay - per - use** basis. The company will continue to make acquisitions of smaller competitors to fill out its...

... the company. Furthermore, competition from its largest competitor and equipment manufacturers is of concern. Its **pay - per - use** policy is also of concern as it requires special attention to monitor utilization and maintenance...

10/3,K/65 (Item 65 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
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02578961 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Universal Hosp Services Bnk Ln Rtg Lwrd to B+ by S&P**  
BUSINESS WIRE  
August 21, 1998  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 451

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... states and the District of Columbia. The firm's rental policy charges customers on a **pay - per - use** basis. The company will continue to make acquisitions of smaller competitors to fill out its...

... Universal is a relatively small operator with about one-third share of the medical equipment **rental** business. Indeed, with a small revenue base and singular focus in the niche medical equipment **rental** market, any changes in reimbursement policy for providers could have a significant impact on the company. Furthermore, competition from its largest competitor and equipment manufacturers is of concern. Its **pay - per - use** policy is also of concern as it requires special attention to monitor utilization and maintenance...

10/3,K/66 (Item 66 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
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02330935 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**GLOBEtrötter and Preview Systems Join Forces to Enable Online Sales of Software Licenses Through the Channel**  
BUSINESS WIRE  
July 27, 1998 9:24  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 872

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... offer a wider range of purchase options such as pay-per-use or short-term **leases**.

End-users will be able to upgrade or purchase licenses easily and will have access...



10/3,K/67 (Item 67 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

02187054 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**InterTrust Announces Internet and In-Store Kiosk Music Vending Solution;  
New Commerce 1.0 Addresses Music Piracy, Sales Channel, and Commerce  
Model Issues**  
BUSINESS WIRE  
July 13, 1998 8:53  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 1016

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... in a DigiBox(TM) container on a purchase, pay-per-use, pay-to-own,  
or rental basis. They can save their music, for example, to a hard drive,  
Recordable CD, flash...

10/3,K/68 (Item 68 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

01905569 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Aladdin Knowledge Systems Exercises Warrant to Purchase Wave Systems Shares**  
BUSINESS WIRE  
June 11, 1998 10:50  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 912

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... copying. Wave's WaveMeter technology enables flexible business  
models for purchasing digital content, including rental, pay - per - use  
and rent-to-own. The WaveMeter measures the usage of software and digital  
content at...

10/3,K/69 (Item 69 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

01729397 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**WaveMeter Incorporated in Windows'98 Compatible TV Tuner Boards; Wave  
Systems & Hauppauge Join Forces to Offer Consumers a Convenient Way to  
Receive Software Content on a Pay-Per-Use Basis**  
BUSINESS WIRE  
May 20, 1998 9:30  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 677

...content subscriber management system. Wave's software system allows  
users to take advantage of content rental, purchase, pay - per - use  
and rent-to-own payment models directly from their desktops with a click of  
a...

10/3,K/70 (Item 70 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

01690858 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
Nimbus CD International Reports Fiscal 1998 Fourth Quarter and Year End  
Financial Results  
BUSINESS WIRE  
May 21, 1998 7:19  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 1262

...used either on a pay per use or an unlimited play basis. Unlike the  
VHS rental market where a single tape is rented multiple times, the  
Divx retail market will require one disc for each transaction. As a...

10/3,K/71 (Item 71 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

01478200 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
Preview Software and Portland Software to Merge; Market Leaders Unite to  
Offer the Broadest Range of Technologies for the Electronic Sales and  
Marketing of Digital Goods  
BUSINESS WIRE  
April 27, 1998 9:14  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 1288

... features such as Try-Before-You-Buy and support for new commerce  
models like software rental. The merger gives publishers many choices in  
how to implement their ESD strategy, supported by...

10/3,K/72 (Item 1 from file: 476)  
DIALOG(R)File 476:Financial Times Fulltext  
(c) 2005 Financial Times Ltd. All rts. reserv.

0010541869 A2000062332D-E6-FT  
COMPANIES & FINANCE: THE AMERICAS: San Francisco INTERNET SOFTWARE GROUP'S  
INITIATIVE 'WILL CHANGE THE WAY COMPUTERS ARE USED':  
ALAN CANE and LOUISE KEHOE  
Financial Times, London Ed3 ED, P 30  
Friday, June 23, 2000  
DOCUMENT TYPE: NEWSPAPER; Stories LANGUAGE: ENGLISH RECORD TYPE:  
FULLTEXT SECTION HEADING: COMPANIES & FINANCE: THE AMERICAS  
Word Count: 918

...has been slower than some competitors, such as Sun Microsystems and  
Oracle, to embrace the "pay per use" or "rental" model for  
software. However, Mr Gates's vision differs from that of his rivals.

As...

10/3,K/73 (Item 2 from file: 476)  
DIALOG(R)File 476:Financial Times Fulltext  
(c) 2005 Financial Times Ltd. All rts. reserv.

0010541747 A2000062332D-7E-FT

**WORLD NEWS - THE AMERICAS: Microsoft in 'landmark' move INTERNET INITIATIVE  
'WILL CHANGE THE WAY COMPUTERS ARE USED':**

LOUISE KEHOE

Financial Times, London Ed1 ED, P 30

Friday, June 23, 2000

DOCUMENT TYPE: NEWSPAPER; Stories LANGUAGE: ENGLISH RECORD TYPE:

FULLTEXT SECTION HEADING: WORLD NEWS - THE AMERICAS

Word Count: 935

...slower than some of its competitors, such as Sun Microsystems and Oracle, to embrace the " **pay per use** " or " **rental** " model for software. However, Mr Gates' vision of how software will be used in the...

**10/3,K/74 (Item 3 from file: 476)**

DIALOG(R)File 476:Financial Times Fulltext

(c) 2005 Financial Times Ltd. All rts. reserv.

0010073293 A19991110186-127-FT

**COMPANIES & FINANCE: THE AMERICAS: Microsoft to rent Office on internet**

LOUISE KEHOE

Financial Times, USA Ed2 ED, P 20

Wednesday, November 10, 1999

DOCUMENT TYPE: Stories; NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE:

FULLTEXT SECTION HEADING: COMPANIES & FINANCE: THE AMERICAS

Word Count: 205

TEXT:

...with plans to offer its top-selling Office suite of desktop software products on a **pay - per - use rental** service via the internet.

However, the software industry leader is treading cautiously into a field ...

**10/3,K/75 (Item 4 from file: 476)**

DIALOG(R)File 476:Financial Times Fulltext

(c) 2005 Financial Times Ltd. All rts. reserv.

0009042275 BOHLSAFAHEFT

**Companies and Finance: UK: ITG shares rise on US technology venture**

PAUL TAYLOR

Financial Times, London Edition 1 ED, P 22

Friday, December 19, 1997

DOCUMENT TYPE: Stories; NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE:

FULLTEXT

Word Count: 269

...as publishers - to deliver secure information or other digital content to users on a purchase, **rental** or **pay - per - use** basis.

This can be over the internet or via other digital distribution means such as...

**10/3,K/76 (Item 1 from file: 610)**

DIALOG(R)File 610:Business Wire

(c) 2005 Business Wire. All rts. reserv.

00421053 20001204339B8993 (USE FORMAT 7 FOR FULLTEXT)  
JCI Corporation Adds Storage To FIRELINE ServiceJCI and SGI Partnership  
Improves FIRELINE Digital Collaboration Platform for Entertainment Industry  
Business Wire  
Monday, December 4, 2000 12:14 EST  
JOURNAL CODE: BUSINESS WIRE, COMTEX LANGUAGE: ENGLISH RECORD TYPE:  
FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 615

TEXT:  
...the powerful JCI Extranet.  
It is an excellent compliment to FIRELINE Direct(TM), JCI's pay - per -  
use ,  
door-to-door, file transport service that offers the ability to transport  
multi-gigabyte files...  
  
...both internal or external project collaboration, FIRELINE  
Vault offers a cost-effective alternative to purchasing, leasing and  
managing  
additional storage hardware. This JCI service offers entertainment creators  
better cash management and...

10/3,K/77 (Item 2 from file: 610)  
DIALOG(R)File 610:Business Wire  
(c) 2005 Business Wire. All rts. reserv.

00419276 20001130335B7222 (USE FORMAT 7 FOR FULLTEXT)  
Aladdin Enhances Privilege Licensing SystemNew version of Privilege  
generates and manages software licenses with innovative license monitoring  
options and security features  
Business Wire  
Thursday, November 30, 2000 13:09 EST  
JOURNAL CODE: BUSINESS WIRE, COMTEX LANGUAGE: ENGLISH RECORD TYPE:  
FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 749

...allows new, flexible  
licensing technology that enables software vendors to:

- Create unique software licenses for renting , leasing , demo,  
try-before-you-buy, pay per use , or time-based solutions
- Protect applications in a licensing environment that enforces  
license terms, regardless...

10/3,K/78 (Item 3 from file: 610)  
DIALOG(R)File 610:Business Wire  
(c) 2005 Business Wire. All rts. reserv.

00416300 20001127332B4194 (USE FORMAT 7 FOR FULLTEXT)  
Privilege Named Finalist for SIIA 2001 Codie AwardThe Software Licensing  
and Distribution Services Offered in Privilege Place Aladdin as One of Five  
Finalists for SIIA's Best Application Service Solution Category  
Business Wire  
Monday, November 27, 2000 15:22 EST  
JOURNAL CODE: BUSINESS WIRE, COMTEX LANGUAGE: ENGLISH RECORD TYPE:

FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 634

...allows new, flexible licensing  
technology that enables software vendors to:

- Create unique software licenses for **renting** , **leasing** , demo,  
try-before-you-buy, **pay per use** , or time-based solutions
- Protect applications in a licensing environment that enforces  
license terms, regardless...

10/3,K/79 (Item 4 from file: 610)  
DIALOG(R)File 610:Business Wire  
(c) 2005 Business Wire. All rts. reserv.

00403959 20001107312B1474 (USE FORMAT 7 FOR FULLTEXT)  
**Natural MicroSystems Reiterates Recent Guidance**  
Business Wire  
Tuesday, November 7, 2000 16:59 EST  
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 9,741

...in federal spending on  
Medicare and Medicaid over the next five years.

We believe our **Pay - Per - Use** (TM) and other **rental** programs respond  
favorably to  
the current industry environment by providing high quality equipment  
through  
programs...

10/3,K/80 (Item 5 from file: 610)  
DIALOG(R)File 610:Business Wire  
(c) 2005 Business Wire. All rts. reserv.

00191519 20000210041B6305 (USE FORMAT 7 FOR FULLTEXT)  
**WaveXpress Appoints Clifford A. Jenks Chief Executive Officer; Former Avid  
Technology President To Lead Broadband Content Delivery Company**  
Business Wire  
Thursday, February 10, 2000 06:46 EST  
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 838

TEXT:  
...and content providers to develop new media distribution and purchase  
opportunities for consumers including full **rental** , rent-to-own,  
pay-per-view  
and **pay - per - use** ." said Jenks. "WaveXpress is the first company to  
utilize the  
datacasting power of the new...

10/3,K/81 (Item 6 from file: 610)  
DIALOG(R)File 610:Business Wire

(c) 2005 Business Wire. All rts. reserv.

00090480 19990816228B0189 (USE FORMAT 7 FOR FULLTEXT)  
**iasoft.com Joins Sequent's @Ready Program to Develop ASP Solutions for its Internet Applications**  
Business Wire  
Monday, August 16, 1999 09:18 EDT  
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 631

...com to offer applications directly to customers via the Internet  
with new options, including application ` rental ' and pay - per - use .  
As  
part of the @Ready Program, the applications will be rigorously tested  
and proofed in...

10/3,K/82 (Item 1 from file: 613)  
DIALOG(R)File 613:PR Newswire  
(c) 2005 PR Newswire Association Inc. All rts. reserv.

0001280756 IC17A2E30DBF511D8AC02BE97445AC4D1 (USE FORMAT 7 FOR FULLTEXT)  
**Sprint Canada (Call-Net) launches broadband phone service First competitive local exchange carrier to launch VOIP; 911 capable, highly reliable, available to residential consumers and small office/home offices**  
PR Newswire  
Thursday, July 22, 2004 T13:18:00Z  
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 1,744

...listings available Yes No No No No

-----  
Receive collect calls Yes No No No No

-----  
Pay per use codes (e.g. (x)69) Yes No No No No

-----  
10-10 dial around access...

...34.95

-----  
Basic plus 5 features \$31.95 \$34.95

-----  
Gateway \$75.00 \$135.00 - Rented Rented \$119.95 includes \$79.95 4 months

-----  
Activation or cancellation fee No No \$39.00...

10/3,K/83 (Item 2 from file: 613)  
DIALOG(R)File 613:PR Newswire  
(c) 2005 PR Newswire Association Inc. All rts. reserv.

01112542 20040213TO072 (USE FORMAT 7 FOR FULLTEXT)  
**TELUS Reports 2003 Fourth Quarter Results**  
PR Newswire  
Friday, February 13, 2004 08:01 EST  
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 10,941

...provided to customers on a monthly subscription basis, and from the Company's optional and **pay - per - use** enhanced services. Local access revenue decreased by \$14.8 million and \$31.5 million, respectively...

...compared with the same periods in 2002, primarily as a result of lower voice equipment **rental** and sales, as well as lower rent from support structures, lower installation and contract services...

10/3,K/84 (Item 3 from file: 613)  
DIALOG(R)File 613:PR Newswire  
(c) 2005 PR Newswire Association Inc. All rts. reserv.

01063111 20031031TO235 (USE FORMAT 7 FOR FULLTEXT)  
**TELUS Reports Third Quarter Results**  
PR Newswire  
Friday, October 31, 2003 08:03 EST  
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 10,981

...provided to customers on a monthly subscription basis, and from the Company's optional and **pay - per - use** enhanced services. Local access revenue decreased by \$0.5 million and \$16.7 million, respectively...compared with the same periods in 2002, primarily as a result of lower voice equipment **rental** and sales, as well as lower rent from support structures, lower installation and contract services...

10/3,K/85 (Item 4 from file: 613)  
DIALOG(R)File 613:PR Newswire  
(c) 2005 PR Newswire Association Inc. All rts. reserv.

00240827 20000105SFW076 (USE FORMAT 7 FOR FULLTEXT)  
**Intertrust Announces Rights/System(TM) Software, First Drm Platform for Embedded Systems**  
PR Newswire  
Wednesday, January 5, 2000 09:01 EST  
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 1,249

...Multiple Pricing	Yes	Range of offers determined by device resources
Options	Set free previews, purchase, <b>pay - per - use</b> , subscriptions, and <b>rental</b> prices	
On and/or Off-line Transactions	Yes	No
Bundled multimedia	Yes	Yes

products with...

10/3,K/86 (Item 1 from file: 624)  
DIALOG(R)File 624:McGraw-Hill Publications  
(c) 2005 McGraw-Hill Co. Inc. All rts. reserv.

01402400

**Software: Pay-As-You-Go Is Up and Running: ``Selling software as a service over the Net will help revive the sluggish industry''`Security and design & engineering software will grow at double-digit rates''**  
By Jim Kerstetter in San Mateo, Calif., with Jay Greene in Seattle

Business Week, Number 3865, Pg 92

January 12, 2004

JOURNAL CODE: BW

SECTION HEADING: Industry Outlook 2004 -- Information Technology ISSN:  
0007-7135

WORD COUNT: 1,165

TEXT:

...for on a monthly basis, as part of a long-term contract or a monthly **rental** fee, or even on a **pay - per - use** basis. So rather than paying millions of dollars for software they might not get much...

10/3,K/87 (Item 2 from file: 624)  
DIALOG(R)File 624:McGraw-Hill Publications  
(c) 2005 McGraw-Hill Co. Inc. All rts. reserv.

01045272

**Eutelsat has launched a pay-per-use broadband service**  
Aviation Week & Space Technology, Vol. 151, No. 16, Pg 31  
October 18, 1999  
JOURNAL CODE: AW  
SECTION HEADING: TELECOM '99, BRIEFLY ISSN: 0005-2175  
WORD COUNT: 67

TEXT:

Eutelsat has launched a **pay - per - use** broadband service to reinforce its growing range of multimedia applications. The service, EWDS, allows users to **lease** circuits on a long-term basis for its base traffic while paying for the variable...

10/3,K/88 (Item 1 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0833192 BW1009

**WAVE SYSTEMS: Wave Systems Reports 1997 Results**

April 09, 1998

Byline: Business Editors

...distributed local consumption of software and



other content through a variety of consumption models, including  
**rental** , rent-to-own and **pay - per - use** .

"Our discussions continue with a number of prominent computer  
industry OEMs and components manufacturers. Importantly...

10/3,K/89 (Item 2 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0831948 BW1013

**WAVE SYSTEMS: Wave Systems Forges Strategic Relationship With Leading  
Broadcast System Solutions Provider**

April 07, 1998

Byline: Business Editors/Computer Writers

...content subscriber management system.

Wave's software system allows users to take advantage of content  
**rental** , purchase, **pay - per - use** and rent-to-own payment models direct  
ly  
from their desktops with a click of a...

10/3,K/90 (Item 3 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0816652 BW1015

**WAVE SYSTEMS 4: Wave Systems Corp. to Offer Psynopsis Titles Via Internet,  
CD-ROM and Data Broadcast Distribution Channels**

March 04, 1998

Byline: Business/Technology Editors

...e-commerce marketplace."

Content providers and users alike are expected to benefit from  
rental, purchase, **pay - per - use** and rent-to-own payment models. Noting  
that the majority of all video game console...

10/3,K/91 (Item 4 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0800241 BW1158

**ALADDIN WAVE: Aladdin and Wave Complete Security Technology Integration**

January 27, 1998

Byline: Business Editors and Software/Hi-Tech Writers

...and  
copying. Wave's WaveMeter technology enables flexible business models  
for purchasing digital content, including **rental** , **pay - per - use** and

rent-to-own. The WaveMeter measures the usage of software and digital content at...

10/3,K/92 (Item 5 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0787285 BW0006

**WAVE SYSTEMS CORP: Wave Systems and IBM to Collaborate on Technology for Accessing Digital Content**

December 18, 1997

Byline: Business Editors

...WIRE)--Dec. 18, 1997--  
Wave Systems' technology will allow users to access software titles on **rental** and **pay - per - use** basis  
Wave Systems Corp. (OTC BB:WAVX) (<http://www.wave.com>) Thursday announced an agreement...

...access  
digital content directly from their desktops through a variety of purchase models, including rental, **pay - per - use** and rent-to-own.  
Wave and IBM have also agreed to support each other in...

...well as new marketing and pricing options that include rental, rent-to-own, purchase and **pay - per - use** transactions. The Wave System gives consumers the convenience and control of obtaining content via the...

10/3,K/93 (Item 6 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0753093 BW1006

**WAVE SYSTEMS MCGRAW HILL: Wave Systems Corp. and McGraw-Hill Home Interactive to Sell Multimedia Educational Content on the Internet; Content Also to be Offered on Planned CD-ROM Bundles**

October 02, 1997

Byline: Business Editors & High Tech Writers

...well as new marketing and pricing options that include rental, rent-to own, purchase and **pay - per - use** transactions.  
The Wave System gives consumers the convenience and control of obtaining content via the...

10/3,K/94 (Item 7 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0718950 BW0150

**WAVE SYSTEMS ALADDIN:** Wave Systems Corp. and Aladdin announce investment and technology licensing partnership; Aladdin purchases interest in Wave; Wave licenses software execution control technology from Aladdin for implementation of HASP and Hardlock keys on the WaveMeter

June 30, 1997

Byline: Business Editors/Computer Technology Writers

...to-own strategies. This establishes Wave as a market leader in being able to provide **rental** and **pay - per - use** -based services to millions of consumers world wide."

The licensed technology includes the Aladdin Shell...

10/3,K/95 (Item 8 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0718854 BW1252

**WAVE SYSTEMS ALADDIN:** Wave Systems and Aladdin announce investment and technology licensing partnership

June 30, 1997

Byline: Business & Technology Editors

...to-own strategies. This establishes Wave as a market leader in being able to provide **rental** and **pay - per - use** -based services to millions of consumers world wide."

The licensed technology includes the Aladdin Shell...

10/3,K/96 (Item 9 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0718842 BW1243

**ALADDIN KNOWLEDGE SYS:** Aladdin licenses software execution control technology to Wave Systems

June 30, 1997

Byline: Business Editors

...strategies. This establishes Wave as a market leader in being able to provide rental and **pay - per - use** based services to millions of consumers world wide."

Yanki Margalit, Chairman and President of Aladdin...

10/3,K/97 (Item 10 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0670660 BW0147

**WAVE SYSTEMS: Wave Systems Corp. Debuts Micro-Transaction System for Purchasing Digital Content; Shipments of PC Desktop Service Targeted for 1997 Holiday Season**

February 10, 1997

Byline: Business Editors and Computer Writers

...well as new marketing and pricing options that include rental, rent-to-own, purchase and **pay - per - use** transactions. Consumers benefit from the convenience and control of obtaining content via delivery systems such...

10/3,K/98 (Item 11 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0653490 BW1191

**WAVE SYSTEMS IBM: Wave and IBM to create interoperable commerce systems; IBM's Cryptolope container to be compatible with Wave's Internet commerce solution**

December 11, 1996

Byline: Business/Technology Editors

...content owners with secure distribution as well as new marketing and pricing options that include **rental** , rent-to-own, purchase and **pay - per - use** transactions. Consumers benefit from the convenience and control of obtaining content via delivery systems such...

10/3,K/99 (Item 12 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0645574 BW1017

**WAVE INTERACTIVE: Creative Labs and Wave Interactive Network to join forces for electronic commerce solution**

November 15, 1996

Byline: Business Editors

...well as new marketing and pricing options that include rental, rent-to-own, purchase and **pay - per - use** transactions. Consumers benefit from the convenience and control of obtaining content via delivery systems such...

10/3,K/100 (Item 13 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0529319 BW1177

**WAVE INTERACTIVE: StarPress selects Wave Interactive Network to distribute home consumer titles**

October 30, 1995

Byline: Business Editors/Computer Writers

...of WIN said, "The WIN distribution channel offers flexible pricing through new business models; including, **pay - per - use**, **rental**, and rent-to-own. WIN enables StarPress to distribute its health and personal productivity titles...

10/3,K/101 (Item 1 from file: 813)  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1233759 MNW017  
**J.W. Childs Recapitalizes Universal Hospital Services**

DATE: February 25, 1998 12:06 EST WORD COUNT: 428

... movable medical equipment to more than 2,800 hospitals and alternate care providers principally through **Pay - Per - Use** (TM)TM equipment management programs. Under UHS **rental** programs, healthcare providers are charged a per-use **rental** fee based on actual usage. In addition, UHS sells disposable supplies related to the equipment it **rents**. UHS operates through 46 district offices and seven regional service centers serving customers in 47...

10/3,K/102 (Item 2 from file: 813)  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1225055 NYM001Q  
**S&P Assigns 'B+' Rating to Universal Hospital Services**

DATE: February 9, 1998 15:02 EST WORD COUNT: 457

... company's position as the nation's second largest provider in the moveable medical equipment **rental** market, offset by its heavy debt due to a leveraged buyout led by a private...

... site customers. The company is a leader in its niche market. The firm's unique **rental** policy of charging customers on a **pay - per - use** basis responds opportunistically to customers needs at peak periods. The company will make acquisitions of...

... fill out its regional offices. This strategy was highlighted by the acquisition of Biomedical Equipment **Rental** and Sales Inc., a small regional operator in several southeastern markets. Universal is taking a ...

... the company. Furthermore, competition from its largest competitor and equipment manufacturers is of concern. Its **pay - per - use** policy is also of concern as it requires attention to monitor utilization and maintenance services...

10/3,K/103 (Item 3 from file: 813)  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1220398 SFF031  
**ESD Technology Leaders, Portland Software and Preview Software, Join Forces  
to Deliver Integrated System Solution to Software Channels**

DATE: January 30, 1998 21:08 EST WORD COUNT: 894

... and a full range of selling models, including "Try-Before-You-Buy" as well as **rental** , **pay - per - use** and subscription sales.

"The Portland/Preview deal is a definite win for electronic commerce companies...

10/3,K/104 (Item 4 from file: 813)  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1192002 NYW029  
**J.W. Childs to Acquire Universal Hospital Services**

DATE: November 26, 1997 07:17 EST WORD COUNT: 500

...provides movable medical equipment to over 3,300 hospitals and alternate care providers principally through **Pay - Per - Use** (TM) equipment management programs. Under UHS's **rental** programs, health care providers are charged a per use **rental** fee based on actual usage. In addition, UHS sells disposable supplies related to the equipment it **rents** . UHS operates through 46 district offices and eight regional service centers serving customers in 50...

10/3,K/105 (Item 5 from file: 813)  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1183131 NEM025A  
**Channelware to Present at The Red Herring Venture Capital Conference**

DATE: November 10, 1997 15:44 EST WORD COUNT: 535

...introducing Electronic Software Authorization (ESA) server software. ESA allows software publishers and vendors to create **pay - per - use** versions of their software. Prior to ESA, consumers had only one way to get software; to purchase it outright. Now, with ESA, consumers can rent, **lease** , subscribe or rent-to-own software

There are two components to the ESA technology. The...

10/3,K/106 (Item 6 from file: 813)  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1143581 PHF004

**FTC Will File Suit to Block Proposed Acquisition of Universal Hospital Services, Inc. by MEDIQ Incorporated**

DATE: August 22, 1997 09:14 EDT WORD COUNT: 294

... provides movable medical equipment to over 3,300 hospitals and alternative care providers principally through **Pay - per - Use** equipment management programs. Under UHS's **rental** programs, health care providers are charged a per use **rental** fee based on actual usage. In addition, UHS sells disposable supplies related to the equipment it **rents** . UHS operates through 46 district offices and eight regional service centers serving customers in 46...

**10/3,K/107 (Item 7 from file: 813)**

DIALOG(R)File 813:PR Newswire

(c) 1999 PR Newswire Association Inc. All rts. reserv.

1130541

MNTH038

**MEDIQ and Universal Hospital Services Extend Merger Agreement**

DATE: July 24, 1997 19:02 EDT WORD COUNT: 547

... movable medical equipment to more than 3,300 hospitals and alternate care providers, principally through **Pay - Per - Use** equipment management programs. Under UHS's **rental** programs, healthcare providers are charged a per-use **rental** fee based on actual usage. In addition, UHS sells disposable supplies related to the equipment it **rents** . UHS operates through 46 district offices and eight regional service centers, serving customers in 46...

**10/3,K/108 (Item 8 from file: 813)**

DIALOG(R)File 813:PR Newswire

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1080531

MNTH027

**MEDIQ Incorporated and Universal Hospital Services, Inc. Receive Request for Additional Information from FTC**

DATE: April 10, 1997 17:17 EDT WORD COUNT: 313

...provides movable medical equipment to over 3,300 hospitals and alternate care providers principally through **Pay - Per - Use** equipment management programs. In addition, Universal sells disposable supplies related to the equipment it **rents** . Universal operates through 46 district offices and eight regional service centers serving customers in 46...

**10/3,K/109 (Item 9 from file: 813)**

DIALOG(R)File 813:PR Newswire

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1077887

PHF041

**Shareholders of Universal Hospital Services, Inc. Approve Acquisition by MEDIQ Incorporated**

DATE: April 4, 1997 17:53 EST WORD COUNT: 365

...provides movable medical equipment to over 3,300 hospitals and alternate

care providers principally through **Pay - per - Use** equipment management programs. Under Universal's **rental** programs, health care providers are charged a per use **rental** fee based on actual usage. In addition Universal sells disposable supplies related to the equipment it **rents** . Universal operates through 46 district offices and eight regional service centers serving customers in 46...

10/3,K/110 (Item 10 from file: 813)  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1072237 MNF010  
**Universal Hospital Services, Inc. Sets Shareholder Meeting for Merger Approval**

DATE: March 21, 1997 15:00 EST WORD COUNT: 365

...provides movable medical equipment to over 3,300 hospitals and alternate care providers principally through **Pay - Per - Use** equipment management programs. Under Universal's **rental** programs, healthcare providers are charged a per use **rental** fee based on actual usage. In addition, Universal sells disposable supplies related to the equipment it **rents** . Universal operates through 46 district offices and eight regional service centers serving customers in 46...

10/3,K/111 (Item 11 from file: 813)  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1054965 PHTU006  
**MEDIQ To Acquire Universal Hospital Services, Inc.**

DATE: February 11, 1997 09:17 EST WORD COUNT: 558

...provides movable medical equipment to over 3,300 hospitals and alternate care providers principally through **Pay - per - Use** equipment management programs. Under Universal's **rental** programs, health care providers are charged a per use **rental** fee based on actual usage. In addition, Universal sells disposable supplies related to the equipment it **rents** . Universal operates through 46 district offices and eight regional service centers serving customers in 46...

10/3,K/112 (Item 12 from file: 813)  
DIALOG(R)File 813:PR Newswire  
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0701922 MN006  
**UNIVERSAL HOSPITAL SERVICES, INC. ANNOUNCES FIRST QUARTER EARNINGS**

DATE: May 3, 1994 17:20 EDT WORD COUNT: 609

...disposable goods.

Thomas A. Minner, President and Chief Executive Officer, stated, "Several conflicting factors influenced **rental** revenues during the first quarter. Continued softness in patient census days in acute care hospitals...



...more. We believe as equipment acquisition decisions are made that hospitals are increasingly looking to **Pay - Per - Use rental** as a cost effective alternative to purchase."

? Capital spending for additions to the Company's...

Set	Items	Description
S1	4175200	ENERGY OR UTILITY OR ELECTRIC? OR UTILITIES
S2	5033933	TRACK? OR MONITOR? OR TRACING OR AUDIT? OR TRAIL?
S3	1216437	RENTAL OR RENTING OR RENTED OR RENTS OR LEASE? ? OR LEASING
S4	10888099	USE OR USEAGE OR USAGE OR USING OR USED
S5	9352240	BILL??? OR CHARG? OR FEE OR FEES
S6	3368	PAY()PER()USE
S7	173	S6(S)S3
S8	3	S7(30N)S1
S9	139	S7 NOT PD=20010424:20030727
S10	112	RD (unique items)

? show file

File 20:Dialog Global Reporter 1997-2005/Jul 28  
(c) 2005 The Dialog Corp.

File 476:Financial Times Fulltext 1982-2005/Jul 28  
(c) 2005 Financial Times Ltd

File 610:Business Wire 1999-2005/Jul 27  
(c) 2005 Business Wire.

File 613:PR Newswire 1999-2005/Jul 28  
(c) 2005 PR Newswire Association Inc

File 624:McGraw-Hill Publications 1985-2005/Jul 28  
(c) 2005 McGraw-Hill Co. Inc

File 634:San Jose Mercury Jun 1985-2005/Jul 27  
(c) 2005 San Jose Mercury News

File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire

File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc

32/3,K/1 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2005 The Gale Group. All rts. reserv.

02263988 Supplier Number: 25846615 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Market Headed Towards Utility Computing - HP**  
( HP is introducing the Superdome mainframe-class Unix server, as part of  
the company's strategy to move to "utility computing")  
Newsbytes News Network, p N/A  
September 27, 2000  
DOCUMENT TYPE: Journal (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 1171

(USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Market Headed Towards Utility Computing - HP**  
( HP is introducing the Superdome mainframe-class Unix server, as part of  
the company's strategy...  
)

TEXT:  
...YORK, NEW YORK, USA, 2000 SEP 27 (NB) -- By Prudencia R Orani,  
Metropolitan Computer Times. HP 's newest mainframe-class Unix server  
Superdome may be tagged as the flagship of the...

...from Sun and IBM in the Unix space but it can also be taken as HP 's  
statement that the market is headed towards "utility computing."

"We've placed a bet on the future computing landscape and it's on utility  
computing," declared HP president Carly Fiorina who led the product's  
announcement two weeks ago.

...concept implies customers have the option to pay only for what they use.

"With Superdome, HP becomes the first company to offer utility-like  
pricing models where customers pay for only...

...it, just like they pay for electricity or phone services," Fiorina said.

One variant of HP 's utility pricing model for **Superdome** is the "instant  
capacity on demand" scheme whereby customers purchase or **lease** servers  
with the minimum CPU configurations they need at the time the order.  
Servers are...

...pay-per-use financing" scheme allows qualified customers to receive  
systems and services, and pay HP based on predetermined business  
outcomes, rather than outright purchase or lease of these.

As such, these utility pricing models help service providers manage revenue  
streams more effectively. HP sees these pricing models producing benefits  
for seasonal businesses that can activate or deactivate CPUs...

...on this utility-like infrastructure will define the information  
infrastructure of the next century," the HP president enthused.  
To market Superdome as the fundamental block of an always-on Internet  
infrastructure for Internet powerhouses, service providers, enterprises,  
large-scale dot-coms, and other data intensive enterprises, HP banks not  
just on utility-based pricing models but also on up-front systems  
assessments, pre-installation testing and tuning, future-proof technology

upgrades and dedicated service and support teams.

HP also offers 24-hour support for Superdome customers.

HP further says there's low latency inside the Superdome box - from 200 to 335 nanoseconds...

...I/O, and up to 51.2 GB/sec across the crossbar mesh.

Duane Zitzner, HP vice president and president of Computing Systems, unveiled at the New York launch a refrigerator-sized 32-way HP 9000 Superdome using PA-8600 64-bit CPUs running on the HP -UX 11i operating system (OS).

Optimized for HP Superdome, HP UX11i enables virtual partitioning, processor-based pricing and online component replacement. Zitzner noted that while HP 's competitors are willing to stop at some form of hardware partitioning, HP has just introduced with Superdome the first virtual partitions in Unix servers.

He pointed out that customers can even create "resource partitions" within those virtual partitions, using HP 's Process Resource Manager Software and the Workload Manager that's part of the HP -UX OS.

Partitioning allows a user to run multiple applications in the same machine, thus...

...much better asset utilization which leads to important benefits like lower operational and management costs.

HP also says its OpenView software is available to manage HP Superdome partitioned environments, including those offering instant capacity on demand, and features flexible lease programs addressing the changing business requirements of service providers.

HP recently announced that while it will soon be unleashing 64-way Superdome systems, it also plans to introduce Superdome containing more than 64 CPUs in the future. Zitzner said HP will offer Superdome users upgrades to the PA-RISC 8700 chips by July 2001, and...

...periods.

Based on an open architecture, Superdome is also IA-64 ready, he pointed out. HP co-developed the IA-64 Itanium chips with Intel.

HP announced that support for both PA-8800 and IA-64 Itanium chips is expected in...

...they require so they can evolve with the times," she stressed.

Zitzner further claimed, "With HP, to upgrade from PA-RISC to the Itanium family, all you'll need to do...

...feature. The system need not be rebooted even when you're adding capacity (CPUs).

Moreover, HP also offers a set of solution reference architectures to help speed up Superdome solution implementations...  
...development. Infrastructure solutions include system consolidation and

mission-critical infrastructure architectures.

But who has taken HP 's Superdome offer so far?

Ann Livermore, HP vice president and president of the Business Customer Organization (BCO) said they've counted about...

...IT Services and mobilkom Austria AG in Europe.

Amazon.com is reportedly evaluating the role HP 9000 Superdome server in its data server environment for the holiday 2000 season.

One of Europe's leading IT service providers debis IT Services meanwhile plans to use HP Superdome to create a much more efficient data center by consolidating several of its customers...

...single server, using partitioning to maintain security.

Japan-based Tomoki Nakamura, Superdome Solutions Manager of HP Asia Pacific said they have already received "hundreds of inquiries" from customers across the region...

...service providers, and data center providers are among those that have expressed high interest in HP 's Superdome offer. These are reportedly eyeing Superdome to run mission-critical applications as well...

...regard to expressing interest in Superdome. Siaou-Sze Lien, vice president and managing director of HP Asia Pacific's BCO said some of their customers in China have started testing Superdome...

...toh@ hp .com/ WIRES ONLINE, PC, BUSINESS, ASIA/)

...

32/3,K/2 (Item 2 from file: 9)

DIALOG(R)File 9:Business & Industry(R)  
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02002041 Supplier Number: 25494174 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Startup ASP Turns To Vendors For Partnerships -- Pact With Hewlett-Packard  
Inspires Customer Confidence In Application Service Providers  
(ebaseOne Corp, an application service provider, is renting OpenView  
management software with an option to buy)**

Information Week, p 34

November 08, 1999

DOCUMENT TYPE: Journal ISSN: 8750-6874 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 236

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...which it's using to support its new application-hosting service.

The company has begun leasing OpenView through a rent-to-own program HP developed for ASPs, and says it will own the software after the two- year contract...

...the ASPs' business model and created something similar for them," says Maureen Melon, one of HP 's E-services managers for OpenView. The ASP has also standardized on HP 's NetServer LPr line of Intel-based Windows NT

servers, and it will use HP 's channel to sell its services. In addition, ebaseOne has forged equipment pacts with Cisco...

...s confidence in ebaseOne stems in part from the ASP's partnerships. "Having partners like HP , Sun, and Cisco gave me the confidence that ebaseOne would be a good provider for us," says Brad Jenkins, VP of sales and marketing for PaperChaser.com.

HP will provide technical support and help with the technical design of ebaseOne's hosting systems...

**32/3,K/3 (Item 3 from file: 9)**

DIALOG(R)File 9:Business & Industry(R)  
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01667871 Supplier Number: 24419658

**Oracle, HP and 7 others in Y2K solution venture**

**(Group of companies including Hewlett-Packard, Oracle and PriceWaterhouseCoopers will jointly provide Singapore SMEs with a complete Y2K solution)**

Singapore Business Times, p 9

October 19, 1998

DOCUMENT TYPE: Business Newspaper (Singapore)

LANGUAGE: English RECORD TYPE: Abstract

**Oracle, HP and 7 others in Y2K solution venture**

ABSTRACT:

Oracle, Hewlett-Packard ( HP ), both IT companies, and seven independent systems integrators have joined forces to offer a complete...

...based on the Oracle FastForward Financials Y2K software, and includes Unix or Windows NT servers, **leasing**, consulting, training, and hardware support and services. HP is offering either the LCIII Win NT **NetServer** or HP9000 Enterprise D-Class Unix server. The package will be extended to the rest...

**32/3,K/4 (Item 4 from file: 9)**

DIALOG(R)File 9:Business & Industry(R)  
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01119558 Supplier Number: 23706716 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**HP uses bundle to win Web share**

**(Hewlett-Packard developed comprehensive Internet strategy across both its Unix and NT server platforms)**

Computer Reseller News, n 710, p 5

November 17, 1996

DOCUMENT TYPE: Journal ISSN: 0893-8377 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 534

(USE FORMAT 7 OR 9 FOR FULLTEXT)

**HP uses bundle to win Web share**

ABSTRACT:

...the channel in its quest to be a top Internet solution provider. For Unix VARs, HP is introducing the Domain Business suite -- Internet and intranet software that includes Netscape Communications Corp.'s SuiteSpot, HP 's OpenView management software and OpenMail messaging software. The

suite will be bundled on a number of **HP** D-class and K-class servers, now dubbed the Domain Enterprise Server. In the NT arena, **HP** is introducing **NetServer** Web Master, a pre-bundled Internet server solution aimed squarely at small and midsize business...

...BaseT and 10/100 TX PCI cards, Cisco Systems Inc.'s Access Pro router, and **HP** 's SureStore 4T tape drive. The server also includes Microsoft Corp.'s Windows NT 4...

...VAR to register the Web site with Internet search engines. On the Unix server front, **HP** launched the Domain Partner program, which consists of co-marketing and finance opportunities. Through May 1997, **HP** partners also will receive discounts on **HP** 9000 K-class and D-class enterprise servers and **HP** NetServers for porting and development. Furthermore, **HP** will introduce an Internet Finance program that will include deferred **leasing** options. For NT resellers, **HP** will work with Microsoft Corp. to launch a worldwide channel program, called "Seminar-in-a-Box, to train and equip the channel to market and sell the **NetServer** Web Master product. At the same time, **HP** and Netscape will develop workshops to train resellers on intranet technology.

TEXT:

...about to make a splash.

Taking a swipe at Sun Microsystems Inc.'s Netra server, **HP** developed a comprehensive Internet strategy across both its Unix and NT server platforms. Included in...

...its quest to be a top Internet solution provider.

"We're emphasizing adding value from **HP** at the structural level, and our partners can then build on the infrastructure," said Dick Watts, vice president and general manager for **HP** 's Computer Systems Organization.

For Unix VARs, **HP** is introducing the Domain Business suite -- Internet and intranet software that includes Netscape Communications Corp.'s SuiteSpot, **HP** 's OpenView management software and OpenMail messaging software.

The suite will be bundled on a number of **HP** D-class and K-class servers, now dubbed the Domain Enterprise Server.

"We know the...

...work to make it easier for them to layer onto it."

In the NT arena, **HP** is introducing NetServer Web Master, a pre-bundled Internet server solution aimed squarely at small...

...server up and running in less than one hour, said Maureen Mellon, marketing manager in **HP** 's NetServer division. The server includes network cards, routers, firewall software and Web authoring tools...

...BaseT and 10/100 TX PCI cards, Cisco Systems Inc.'s Access Pro router, and **HP** 's SureStore 4T tape drive. The server also includes Microsoft Corp.'s Windows NT 4...

...with a turnkey shrink-wrapped solution and allows them to offer high-level consulting," said **HP** 's Mellon.

Added Joe Ferlazzo, analyst for Technology Business Research, a market research firm in...

...N.H.: "It ups the ante in the whole bundled server game."

For the channel, **HP** introduced a number of marketing, finance and training programs.

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**HP** 's Big Web Splash

Programs seek channel involvement in intranet push.

Business Domain suite bundles...

32/3,K/5 (Item 5 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
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00780799 Supplier Number: 23348474 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Alcoa Goes All The Way With NT**  
(Aluminum Company of America to officially launch global program to  
standardize its desktops and servers on Microsoft Windows NT; includes  
\$150 mil contract with Hewlett-Packard)  
Information Week, n 553, p 26  
November 13, 1995  
DOCUMENT TYPE: Journal ISSN: 8750-6874 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 367

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

Hardware and services pact with **HP** relies on Microsoft software

THE ALUMINUM COMPANY of America, after more than a year of...

...July for procurement, implementation, management, and support of 15,000 Pentium-based PCs and 450 **HP NetServer** LH servers. They will be leased to Alcoa and installed at 150 locations worldwide by mid-1997, according to Robert Cosgrove...  
...NT licenses and desktop services parts are the biggest such deals ever for Microsoft and **HP** as partners, says Michael Melenovsky, VP of services research at International Data Corp., a market...



...company's corporate database management system and some financial applications are from Oracle, running of HP -UX. Says Cosgrove: "Unix is more production-ready than NT in terms of meeting auditor..."

...Infrastructure Initiative

Hardware	Software
15,000 Pentium PCs	Windows NT workstation; Microsoft Office applications
450 HP NetServer LH servers	Microsoft's Windows NT Server, System Management Server integrated with HP's OpenView for software distribution and management, and Exchange Server for messaging

DATA: ALCOA

...

32/3,K/6 (Item 1 from file: 16)

DIALOG(R) File 16:Gale Group PROMT(R)

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08592544 Supplier Number: 65531758 (USE FORMAT 7 FOR FULLTEXT)  
**Market Headed Towards Utility Computing - HP .(Product Information)**  
Orani, Prudencia R.  
Newsbytes, pNWSB00272030  
Sept 27, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 1293



(USE FORMAT 7 FOR FULLTEXT)

**Market Headed Towards Utility Computing - HP .(Product Information)**

TEXT:

H P's newest mainframe-class Unix server Superdome may be tagged as the flagship of the...

...from Sun and IBM in the Unix space but it can also be taken as HP 's statement that the market is headed towards "utility computing."

... placed a bet on the future computing landscape and it's on utility computing," declared HP president Carly Fiorina who led the product's announcement two weeks ago.

The utility computing concept implies customers have the option to pay only for what they use.

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...toh@ hp .com/WIRES ONLINE, PC, BUSINESS, ASIA/)  
TRADE NAMES: HP SuperDome ( HP PA-RISC-based system)

32/3,K/7 (Item 2 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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08223616 Supplier Number: 69242437 (USE FORMAT 7 FOR FULLTEXT)  
**Hewlett-Packard Corrects and Replaces Previous Product Announcement,**  
**BW0390, CA-HEWLETT-PACKARD.**

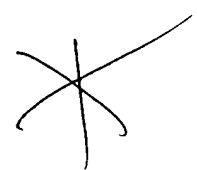
Business Wire, p0664

Jan 16, 2001

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 834



... on Business Wire, BW0390 (CA-HEWLETT-PACKARD).

PALO ALTO, Calif.--(BUSINESS WIRE)--Jan. 16, 2001

**HP Strengthens Service Provider Offerings with Rack-optimized  
HP Netserver and Storage Solutions**

Hewlett-Packard Company (NYSE:HWP) today continued its commitment to service providers and corporate data centers with the announcement of the HP Netserver LP 1000r and HP Netserver LP 2000r systems, the HP Surestore Disk System 2100, the HP Surestore Tape Array 5300 and HP Surestore Ultrium 215. These new offerings further strengthen HP 's full range of solutions and programs to fulfill HP 's vision of an always-on Internet infrastructure.

**HP Netserver Systems**

The HP Netserver LP 1000r and HP Netserver LP 2000r systems enhance one of the industry's most comprehensive rack-optimized PC server lines. The HP Netserver LP 1000r system is a powerful, high-density, ultra-thin PC server that delivers...

...infrastructure applications such as proxy, caching, access, DNS, firewall and load-balancing. In addition, the HP Netserver LP 1000r system is an excellent choice as a dedicated application server.

The HP Netserver LP 2000r system combines unprecedented expandability, high availability and manageability in a 2U form...

...such as Web/application hosting, e-commerce, messaging and collaboration, and server-based computing applications.

HP continues to offer a broad range of accessories that enable HP

Netserver customers to build the configuration requirements they need. Today, HP also announced the HP NetRAID 1M and 2M disk array controller that delivers Ultra3 SCSI performance and cost-effective data protection for internal and external storage.

HP continues to develop a range of programs for service providers including financing and investment, demand generation and partner programs, technical services and support, solutions, product fulfilment and HP Netserver promotions. Today, HP also is announcing utility financing(1) for Netservers to allow service providers rapid growth and improved return on investment. Utility financing for Netservers, an industry-leading variable leasing program enabled by HP Smart Internet Usage software, allows service providers to make monthly lease payments based on metered server usage.

#### HP Storage Solutions

HP's storage portfolio offers service providers complementary products to the HP Netservers with comprehensive space-saving storage solutions that maximize a customer's investment in secure, on-line and off-line storage.

The HP Surestore Disk System 2100 is a 1U rack-optimized, 4-slot disk system that provides...

...rack configurations, allowing customers to easily expand their storage capacity in a variety of environments.

HP Surestore Ultrium 215, part of the open standard Ultrium tape drive family, addresses data protection...

...an entry point to high-performance, worry-free backup. Enhancing the Ultrium 215 is the HP Surestore Tape Array 5300 scalable rack enclosure, which allows between one and four Ultrium 215s to be racked in a 3U space.

#### Pricing and Availability

##### -- The HP

Netserver LP 1000r is currently available with an estimated U.S. street price of \$3,799(2).

##### -- The HP

Netserver LP 2000r is expected to be available and priced in early spring 2001.

##### -- The HP

Surestore Tape Array 5300 is expected to be available April 1, 2001, with an estimated U.S. street price of \$700(2).

##### -- The HP

Surestore Disk System 2100 is expected to begin shipping on March 1, 2001, with an estimated U.S. street price starting at under \$500(2).

##### -- The HP

Surestore Ultrium 215 rack mount tape drive is expected to begin shipping on March 1...

...U.S. street price starting at \$3,900(2).

For more information visit <http://www.hp.com/>.

#### About HP

Hewlett-Packard Company -- a leading global provider of computing and imaging solutions and services -- is...

...businesses through simple appliances, useful e-services and an Internet infrastructure that's always on.

HP has 88,500 employees worldwide and had total revenue from

continuing operations of \$48.8 billion in its 2000 fiscal year. Information about HP and its products can be found on the World Wide Web at <http://www.hp.com>.

- (1) Currently available in the U.S. only.
- (2) Actual prices may vary.

This...

...not proceed as planned; and other risks that are described from time to time in HP's Securities and Exchange Commission reports, including but not limited to the annual report on...

...If any of these risks or uncertainties materializes or any of these assumptions proves incorrect, HP's results could differ materially from HP's expectations in these statements. HP does not intend to update these forward-looking statements.

32/3,K/8 (Item 3 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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08219445 Supplier Number: 69205516 (USE FORMAT 7 FOR FULLTEXT)  
HP Strengthens Service Provider Offerings with Rack-optimized HP  
Netservers and Storage Solutions.  
Business Wire, p0390  
Jan 16, 2001  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 792

**HP Strengthens Service Provider Offerings with Rack-optimized HP  
Netservers and Storage Solutions.**

... continued its commitment to service providers and corporate data centers with the announcement of the HP Netserver LP 1000r and HP Netserver LP 2000r systems, the HP Surestore Disk System 2100, the HP Surestore Tape Array 5300 and HP Surestore Ultrium 215. These new offerings further strengthen HP's full range of solutions and programs to fulfill HP's vision of an always-on Internet infrastructure.

**HP Netserver Systems**

The HP Netserver LP 1000r and HP Netserver LP 2000r systems enhance one of the industry's most comprehensive rack-optimized PC server lines. The HP Netserver LP 1000r system is a powerful, high-density, ultra-thin PC server that delivers...

...infrastructure applications such as proxy, caching, access, DNS, firewall and load-balancing. In addition, the HP Netserver LP 1000r system is an excellent choice as a dedicated application server.

The HP Netserver LP 2000r system combines unprecedented expandability, high availability and manageability in a 2U form...

...such as Web/application hosting, e-commerce, messaging and collaboration, and server-based computing applications.

HP continues to offer a broad range of accessories that enable HP Netserver customers to build the configuration requirements they need. Today, HP also announced the HP NetRAID 1M and 2M disk array controller that delivers Ultra3 SCSI performance and cost-effective data protection for internal and external storage.

HP continues to develop a range of programs for service providers including financing and investment, demand generation and partner programs, technical services and support, solutions, product fulfilment and HP

**Netserver** promotions. Today, **HP** also is announcing utility financing<sup>(1)</sup> for Netserver to allow service providers rapid growth and improved return on investment. Utility financing for Netserver, an industry-leading variable **leasing** program enabled by **HP** Smart Internet Usage software, allows service providers to make monthly **lease** payments based on metered server usage.

**HP Storage Solutions**

**HP** 's storage portfolio offers service providers complementary products to the **HP** Netserver with comprehensive space-saving storage solutions that maximize a customer's investment in secure, on-line and off-line storage.

The **HP** Surestore Disk System 2100 is a 1U rack-optimized, 4-slot disk system that provides...

...rack configurations, allowing customers to easily expand their storage capacity in a variety of environments.

**HP** Surestore Ultrium 215, part of the open standard Ultrium tape drive family, addresses data protection...

...an entry point to high-performance, worry-free backup. Enhancing the Ultrium 215 is the **HP** Surestore Tape Array 5300 scalable rack enclosure, which allows between one and four Ultrium 215s to be racked in a 3U space.

**Pricing and Availability**

-- The **HP**

Netserver LP 1000r is currently available with an estimated U.S. street price of \$3,799<sup>(2)</sup>.

-- The **HP**

Netserver LP 2000r is expected to be available and priced in early spring 2001.

-- The **HP**

Surestore Tape Array 5300 is expected to be available April 1, 2001, with an estimated U.S. street price of \$700<sup>(2)</sup>.

-- The **HP**

Surestore Disk System 2100 rack mount tape drive is expected to begin shipping on March...

...U.S. street price starting at \$5,100<sup>(2)</sup>.

For more information visit [http://www. hp .com/](http://www.hp.com/).

About **HP**

Hewlett-Packard Company -- a leading global provider of computing and imaging solutions and services -- is...

...businesses through simple appliances, useful e-services and an Internet infrastructure that's always on.

**HP** has 88,500 employees worldwide and had total revenue from continuing operations of \$48.8 billion in its 2000 fiscal year. Information about **HP** and its products can be found on the World Wide Web at [http://www. hp .com](http://www.hp.com).

(1) Currently available in the U.S. only.

(2) Actual prices may vary.

This...

...not proceed as planned; and other risks that are described from time to time in **HP** 's Securities and Exchange Commission reports, including but not limited to the annual report on...

...If any of these risks or uncertainties materializes or any of these assumptions proves incorrect, HP 's results could differ materially from HP 's expectations in these statements. HP does not intend to update these forward-looking statements.

32/3,K/9 (Item 4 from file: 16)  
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08030976 Supplier Number: 66101445 (USE FORMAT 7 FOR FULLTEXT)  
**The Emperor's New Utility. (Product Information) (Column)**  
Wittmann, Art  
Network Computing, p206  
Oct 16, 2000  
Language: English Record Type: Fulltext  
Article Type: Column  
Document Type: Magazine/Journal; Trade  
Word Count: 688

... memory. The system is called Superdome (I have no idea why), and it runs on HP 's PA RISC architecture. The company says the system will be upgradable to Intel's IA-64 should Intel ever get that chip into production.

HP 's intention is that Superdome will be the first punch in its fight to grab...

...Currently, Sun Microsystems holds that honor with roughly a 6 percent market-share lead over HP . So far it's all pretty boring stuff, huh? I thought so too...until I read about HP 's utility-pricing model.

In case you haven't heard of the utility-pricing model...  
...service fee based on the resources you use. Now think about that for a minute. HP will deliver a system configured with far more disk storage and CPU power than you need in the hopes that once you get going, you'll consume more resources. Then HP will be able to charge a higher service fee. HP states that if you use fewer resources later on, the usage fee will go down...

...we see you've never taken it over 70. We'd like to reduce your **leasing** fee by half." Or perhaps, "Ah, Mr. Wittmann, our records show that you've been...

...two in your engine?" If this makes sense to you, I bet there's a **Superdome** with your name all over it.

Unless I'm missing something, the reason the utility...

...ounce of water or a cubic foot of natural gas, someone else can. Now if HP delivers me a brand-spankin'-new Superdome with 32 processors and I decide I want to use only eight, there's some serious waste going on. HP says it'll charge me only for what I use; well then who, pray tell...

...somehow, the cost of that extra hardware is coming right back to the customer. Perhaps HP isn't spreading the cost across its server customers alone. Maybe it spreads the cost...

...attempt at taking the work of capacity planning out of the hands of the customer. HP , let your customers do their own capacity planning, and you just trouble yourselves with delivering...

TRADE NAMES: HP SuperDome ( HP PA-RISC-based system)

32/3,K/10 (Item 5 from file: 16)  
DIALOG(R) File 16:Gale Group PROMT(R)  
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07797332 Supplier Number: 65161135 (USE FORMAT 7 FOR FULLTEXT)  
**HP Raises the Stakes in High-end UNIX Server Market with Launch of  
Superdome Solution.**  
Business Wire, p0300  
Sept 12, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 934

**HP Raises the Stakes in High-end UNIX Server Market with Launch of  
Superdome Solution.**

... for Always-on Internet Infrastructure  
Today, the competitive ceiling on high-end computing lifted as HP rolled out its much anticipated HP 9000 Superdome server solution. This single package combines the world's most powerful, flexible and...

...data-intensive enterprises, enabling companies to transform their IT environments as they transform their businesses.

HP Superdome is the fastest server in the UNIX market, at twice the speed of the HP V-Class server, and is expected to be able to sustain its performance leadership by...

...four times greater than today's. With the most complete partitioning continuum in the industry, HP Superdome also sets new flexibility standards. First-to-market virtual partitioning enables customers to automatically...

...up and running, and the ability to embrace new technologies," said Ann Livermore, president of HP 's Business Customer Organization. "With a value proposition that extends way beyond the box, HP Superdome sets a new standard for what it means to be a player in the Internet infrastructure arena."

HP is the only company to offer utility-like pricing models, enabling companies to pay for just the server capacity they need, when they need it. Additionally, HP has extended its industry-leading instant capacity-on-demand program to HP Superdome, allowing companies to immediately expand their purchase of computing power as their needs grow...

...swappable components, and the UNIX industry's highest level of built-in error correction capabilities.

HP Superdome is IA-64-ready. A multi-OS architecture supports HP -UX(1) 11i today and, ultimately, is slated to support HP -UX, Windows NT(R) and Linux simultaneously.

**Always-on, Always There**

HP dedicates a solution manager to each HP Superdome customer to define needs, establish accountability throughout the solution lifecycle and accelerate the path to the customer's revenue or production. HP 's repeatable methodology includes an HP Superdome readiness analysis that reviews business, environmental, operational and skills requirements. Based on this analysis, HP creates a detailed design to meet the customer's specific business needs. Every HP Superdome system is pre-integrated, and tested to the customer's satisfaction. An implementation is not considered successful -- or billable -- until the customer sign-off has been secured.

"Superdome demonstrates HP 's ability to deliver industry-leading high-end technology. But perhaps even more important is HP 's focus on the customer's total experience," said Vernon Turner, vice president of world



...

...should change the basis on which high-end suppliers compete."

For mission-critical-configuration customers, **HP** provides proactive high-availability services that help maintain an always-on business infrastructure and prevent problems before they occur. If issues arise, **HP** minimizes downtime through its premier reactive support services, including the industry's only "call to...

...is customized to address individual customer needs, a set of solution reference architectures helps speed **HP** Superdome solution implementations in CRM, ERP, e-commerce, e-intelligence and collaborative product development. Infrastructure solutions include system consolidation and mission-critical infrastructure architectures.

**HP** UX11i, optimized for **HP** Superdome, provides three new levels of operating environments tailored for **HP** Superdome solutions. A core component of the **HP** Superdome platform, **HP** UX11i enables virtual partitioning, processor-based pricing and online component replacement.

**HP** OpenView software is available to manage **HP** Superdome partitioned environments, including those offering instant capacity on demand, and features flexible lease programs designed to meet the changing business requirements of service providers. New utility pricing models enable service providers to manage revenue streams more effectively.

**HP** Surestore E Disk Array XP512, a core component of **HP**'s always-on Internet infrastructure set of solutions, can be pre-integrated with **HP** Superdome, where it can help eliminate the need for planned downtime to back up or upgrade systems.

#### Ordering and Availability

**HP** Superdome, available for purchase immediately, is available in three configurations. Each configuration includes consulting, management...

...configurations include a partnering approach for delivering operational excellence over the life of the solution.

**HP** Superdome customers can trigger the pre-installation environmental and business assessments today.

#### About **HP**

Hewlett-Packard Company -- a leading global provider of computing and imaging solutions and services -- is...

...businesses through simple appliances, useful e-services and an Internet infrastructure that's always on.

**HP** has 86,000 employees worldwide and had total revenue from continuing operations of \$42.4 billion in its 1999 fiscal year. Information about **HP** and its products can be found on the World Wide Web at <http://www.hp.com>.

(1) **HP** -UX Release 10.20 and later and **HP** -UX Release 11.00 and later (in both 32- and 64-bit configurations) on all **HP** 9000 computers are Open Group UNIX 95 branded products.

UNIX is a registered trademark of...

32/3,K/11 (Item 6 from file: 16)

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06798780 Supplier Number: 57481839 (USE FORMAT 7 FOR FULLTEXT)

**Startup ASP Turns To Vendors For Partnerships -- Pact With Hewlett-Packard**

**Inspires Customer Confidence In Application Service Providers. (Company Operations)**

Mateyaschuk, Jennifer

InformationWeek, p34  
Nov 8, 1999  
Language: English      Record Type: Fulltext  
Document Type: Tabloid; General Trade  
Word Count: 247

The company has begun **leasing** OpenView through a rent-to-own program **HP** developed for ASPs, and says it will own the software after the two- year contract...

...the ASPs' business model and created something similar for them," says Maureen Melon, one of **HP** 's E-services managers for OpenView. The ASP has also standardized on **HP** 's **NetServer** LPr line of Intel-based Windows NT servers, and it will use **HP** 's channel to sell its services. In addition, ebaseOne has forged equipment pacts with Cisco...

...s confidence in ebaseOne stems in part from the ASP's partnerships. "Having partners like **HP** , Sun, and Cisco gave me the confidence that ebaseOne would be a good provider for us," says Brad Jenkins, VP of sales and marketing for PaperChaser.com.

**HP** will provide technical support and help with the technical design of ebaseOne's hosting systems...

TRADE NAMES: **HP** OpenView (Network management software)

32/3,K/12      (Item 7 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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06653019      Supplier Number: 55817120 (USE FORMAT 7 FOR FULLTEXT)

**HP Unveils L-Class Servers in Frontal Attack on Low-End Sun.**

Computergram International, n3751, pNA

Sept 21, 1999

Language: English      Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 496

(USE FORMAT 7 FOR FULLTEXT)

**HP Unveils L-Class Servers in Frontal Attack on Low-End Sun.**

TEXT:

...increasing its share in the low-end market segment currently dominated by Sun. The new **HP** 9000 L-Class boxes, which come in two versions, the L1000 2-way and the...

...mid-size companies, explained Bill Russell, executive vice-president and COO of enterprise computing at **HP** .

... market. It is packaging them as part of what it calls its 'e-services' offering.

**HP** wants to guarantee the new boxes' ability to handle mobile data traffic. To this end...

...latter will be porting its platform for the wireless application protocol (WAP) environment onto both **HP** 's Unix and NT servers (see separate story).

The L-Class fits in the company...

...As such, said Peter van der Fluit, VP of enterprise marketing, alliances and channels for **HP** in Europe, it is designed to redress the current situation in the market, where, in his geographic region, Sun has 50% compared to **HP** 's 7%, far lower than the 20%-25% market share it boasts worldwide

It also represents what Janice Chaffin, VP of **HP** 's business

critical computing (Unix) division, called a 'technology refresh' for low-end Unix at the company. Van der Fluit admits that HP did, for a while, assume that NT would dominate that segment in a short space...

...however, so that the Unix division, which is a distinct group from the NT-based **NetServer** one, now gets a new **lease** of life.

Regarding operating systems for the boxes, Patrick Rogers, system solutions market manager for the business critical computing (BCC) division, said that HP will continue to pursue both Unix and NT, though in different divisions, arguing that the...

...both fronts. As for the latest contender in the server space, Linux, Rogers said that HP will offer Linux, but wouldn't recommend it for mission-critical applications. The L-Class series actually starts shipping in volume in mid-October.

Given the target audiences, HP expects at least 50% of L-Class business to go through channel partners, said van...

...evolve into application service providers and e-service providers in their own right, building up HP server farms to do so.

32/3,K/13 (Item 8 from file: 16)  
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06391611 Supplier Number: 54810087 (USE FORMAT 7 FOR FULLTEXT)

HP opens up online store for smaller businesses.( HP Business Store)(Company Business and Marketing)(Brief Article)

Gage, Deborah

PC Week, v16, n23, p51

June 7, 1999

Language: English Record Type: Fulltext

Article Type: Brief Article

Document Type: Magazine/Journal; Tabloid; General Trade

Word Count: 381

HP opens up online store for smaller businesses.( HP Business Store)(Company Business and Marketing)(Brief Article)

The HP Business Store, which opens this week in the United States, marks the first time HP has sold directly to the small and midsize business market rather than exclusively through resellers...

...will offer products ranging from OmniBook notebooks, Brio and Vectra business PCs, Kayak workstations, and **NetServer** servers to SureStore storage, ProCurve Networking hardware, and LaserJet, DeskJet and OfficeJet printers, as well as options for **leasing** and support.

HP expects the store to serve 10 percent to 15 percent of the small and midsize...

...through two distributors, Ingram Micro Inc. and Tech Data Corp.

Customers logging on to the HP Business Store can either select a reseller or purchase products over the Web. HP expects direct customers will want to buy one or two PCs or network the PCs...

...quotes. It is backed by a telesales organization that can walk customers through a purchase.

HP resellers, meanwhile, will be steered toward the accounting, legal, medical, real estate and K-12...

...six, they'll realize they're in over their heads."

As part of the store, HP will offer a Technology Resource Center that features case studies and advice from resellers. It will also steer customers who need additional service and consulting toward resellers and offer the HP Profit Engine, which provides sales and marketing tools for resellers selling services.

HP also announced that HP Prime, its online model for large customers, will give customers dedicated HP support and consulting online starting this fall.

HP, of Palo Alto, Calif., can be reached at (800) 752-0900 or [www.hp.com](http://www.hp.com).

32/3,K/14 (Item 9 from file: 16)  
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05524703 Supplier Number: 48373424 (USE FORMAT 7 FOR FULLTEXT)  
**New Servers: HP Launches New PC Server, Continues Leadership in Small- to Medium-business Market**  
EDGE: Work-Group Computing Report, pN/A  
March 23, 1998  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 567

(USE FORMAT 7 FOR FULLTEXT)  
**New Servers: HP Launches New PC Server, Continues Leadership in Small- to Medium-business Market**

TEXT:  
Hewlett-Packard Company Wednesday introduced an HP NetServer system for small and medium businesses (SMB) that combines the benefits of integrated backup, simplified management, enhanced performance and HP's signature reseller-support services.

The new HP NetServer E50 system is the first in its class to provide a completely integrated backup solution for SMB customers. The solution also includes HP TopTools for servers, the Web-based PC-management system previously available only on the company's higher-end L Series NetServer systems. The inclusion of HP TopTools bolsters HP's effort to offer programs and services that empower resellers to manage and support their customers remotely. HP's E Series servers are ranked No. 1 in the uniprocessor PC-server market. (1) The estimated street price for the HP NetServer E50 system starts at \$2,025.

"HP pioneered the SMB server market and remains committed to shaping this market by providing complete solutions to meet the needs of SMB customers," said Duncan Campbell, general manager for HP's Commercial NetServer Operation. "Integrating backup capabilities into our servers gives customers a very cost...

...run their businesses."

By combining its leadership in the uniprocessor-server market and backup solutions, HP delivers comprehensive solutions for the SMB customer. While other companies offer backup solutions as accessories, HP is the only major PC-server vendor to offer a best-value, best-in-class, integrated, easy-to-use hardware and software backup solution.

The HP NetServer E50 system comes with an HP SureStore T4i tape drive, free backup software for Windows NT server and NetWare, and an...

...unattended. It uses Object Replication Technology to achieve fast image backup and other beneficial features. HP also integrates the backup software with HP TopTools via HP TapeAlert, which uses SNMP traps to

provide end users with timely messages regarding such things as when it is time to retire a tape cartridge.

**HP TOPTOOLS MEETS THE E SERIES** HP 's Web-based PC-management offering, **HP TopTools**, provides one common application to manage **HP E** and **L Series** server systems. **HP TopTools'** intuitive Web interface, auto-alert capabilities and remote-management features, help make the **HP NetServer E50** system easy for resellers to trouble-shoot and support remotely.

**HP EMPOWERS THE CHANNEL** Along with the benefit of **HP TopTools**, **HP** continues to offer customized programs and initiatives that provide resellers with everything they need to deliver support successfully, efficiently and profitably, through a new initiative called reseller support services. **HP** designed the reseller support services program to make it easier for resellers to monitor, trouble-shoot and manage their customers' **HP NetServer** systems remotely. The program features a completely redesigned Web site for **HP NetServer** system service and support information, server management and hardware-trouble-shooting training, technical updates...

...and a trouble-shooting toolkit for service engineers.

In the United States, beginning in April, **HP** will start offering **leasing** programs that enable resellers to serve their **HP NetServer** system customers better. One such program will allow customers to **lease HP NetServer** systems for a low monthly price through **HP Technology Finance**.

**ENHANCED PERFORMANCE** The **HP NetServer E50** system will include Intel Pentium II 300 and 333MHz processors, an Ultra-wide SCSI controller and 7,200rpm bundled drives for optimum performance.

Information about **HP** and its products can be found on the World Wide Web at <http://www.hp.com>.

32/3,K/15 (Item 10 from file: 16)

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05165847 Supplier Number: 47884473 (USE FORMAT 7 FOR FULLTEXT)

**Trust Bank Outsources Computer Operations to HP in \$16.5 Million Service and Financing Deal; HP to Implement Mixed Microsoft Windows NT and UNIX System Infrastructure for Retail Banking Operation.**

Business Wire, p08040140

August 4, 1997

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 683

**Trust Bank Outsources Computer Operations to HP in \$16.5 Million Service and Financing Deal; HP to Implement Mixed Microsoft Windows NT and UNIX System Infrastructure for Retail Banking Operation.**

**H P** will maintain daily computer operations at the bank's headquarters and more than 50 branches...

...Australia, while Trust Bank's IT staff will concentrate on new business applications. In addition, **HP** will be responsible for the design of a new network infrastructure and implementation of a...

...database and a combination of Microsoft(R) Windows NT(R) and UNIX(R) system servers. **HP** also will create a common desktop environment, providing a single integrated platform for all users...

...gave us access to the best expertise," said Paul Kemp, managing director of Trust Bank. " HP offers us the most efficient operation of information technology for our business and will assist us in our ambitious growth plans. While HP focuses on IT infrastructure and operations, we can focus on developing more competitive products, such as interactive video banking and stored-value cards."

New computer equipment, including UNIX system HP K-Class servers, Intel-based NetServer systems and HP Vectra personal computers, will be acquired through ComputerLand Tasmania and leased through HP Technology Finance. All products and outsourcing services will be bundled conveniently under a flat monthly fee. HP offers a technology refresh program on all hardware, which will help Trust Bank manage its...

...will enable Trust Bank to implement new technology and applications quickly; and

-- By leasing through HP , Trust Bank expects to improve its balance-sheet position.

"By relying on HP 's expertise in designing and supporting mixed Windows NT and UNIX system environments, Trust Bank...

...of a solid IT infrastructure for its daily operations," said Doug Chapin, general manager of HP 's Operations Services Division. "The new infrastructure will enable Trust Bank to use technology as...

...banking, personal banking and commercial banking. The bank manages over \$1.8 billion in assets.

HP offers a broad range of services to design, integrate, finance, implement, operate, manage and maintain computing environments consisting of multivendor hardware, software and networks. In 1996, HP generated \$5.3 billion in service revenue. HP information-technology service and support programs are delivered by 23,000 professionals worldwide.

#### ABOUT HP

HP is the official information-technology hardware and maintenance supplier to the 1998 World Cup soccer...

...products and measurement solutions, all of which are recognized for excellence in quality and support. HP has 114,600 employees and had revenue of \$38.4 billion in its 1996 fiscal year.

Information about HP and its products can be found on the World Wide Web at <http://www.hp.com> . -0-

Note to Editors: Microsoft is a U.S. registered trademark of Microsoft Corp...

...the UK and other countries.

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32/3,K/16 (Item 11 from file: 16)

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05142191 Supplier Number: 47849015 (USE FORMAT 7 FOR FULLTEXT)

**Network Infrastructure Builder**

Phillips, Ken

PC Week, p093

July 21, 1997

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Tabloid; General Trade

Word Count: 1333

... Hewlett-Packard Co. Vectra VL4 5/166 running NT Server 4.0), the secondary (an HP NetServer E 30 Pentium running Windows NT Server 3.51) picked up right where the primary left off, with a fully replicated IP lease database.

With Meta IP, the secondary server queries the primary every few seconds to get...

32/3,K/17 (Item 12 from file: 16)

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04680687 Supplier Number: 46889494 (USE FORMAT 7 FOR FULLTEXT)

HP and Partners Deliver Enterprise Customers Complete Internet-Ready Solutions Through New Partner Program; HP Domain Partner Program Combines Expertise with Partners Across NT and UNIX System Environments.

Business Wire, pl1140111

Nov 14, 1996

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1229

(USE FORMAT 7 FOR FULLTEXT)

HP and Partners Deliver Enterprise Customers Complete Internet-Ready Solutions Through New Partner Program; HP Domain Partner Program Combines Expertise with Partners Across NT and UNIX System Environments.

TEXT:

...Calif.--(BUSINESS WIRE)--Nov. 14, 1996-- Hewlett-Packard Company today announced the launch of the HP Domain Partner Program, designed to foster the development and availability of intranet- and Internet-based...

...program consists of three core elements: a broad range of co- marketing efforts, discounts on HP hardware and software for porting and development, and access to a wide range of financing...

The HP Domain Partner Program enables easy access to HP 's technologies, expertise and channels for partners that want to port, develop, maintain and promote their software solutions "hand-in-hand" with HP . Recognizing the importance of leveraging the strengths of both Windows NT and UNIX systems, HP will partner with leading channel partners -- application-development vendors and systems integrators -- to provide customers...

...of Internet-based computing solutions."

"Based on the Internet and intranet expertise that SAP and HP have, our joint customers will derive tremendous value from extending business processes -- exploiting our recently...

...throughout the supply chain."

MEMBERS INVITED TO PARTICIPATE IN CO-MARKETING OPPORTUNITIES

Members of the HP Domain Partner Program may participate in HP 's Worldwide Developers Conference Series, which will run throughout 1997, and other industry trade shows, including Internet World, where partners may demonstrate their products in the HP Partner Showcases. Partners also will benefit from prominent exposure on HP 's Domain Partner home page on the World Wide Web, and other marketing, public relations, channel- and

direct-sales activities.

" HP 's Domain Partner Program exemplifies HP and Microsoft's commitment to providing a new generation of Windows NT-based Internet solutions...

...mutual enterprise customers are demanding."

#### PRICE INCENTIVES TO ATTRACT JOINT DEVELOPMENT

From now through May, HP partners may take advantage of reduced prices on hardware and software products to port or develop integrated solutions. Select HP 9000 K- and D-class enterprise servers and HP NetServer systems may be purchased at a substantial discount through the HP Domain Partner Program. In addition, partners are welcome to port or test their products at...

#### ...FINANCING OPTIONS AVAILABLE FOR INTERNET COMPANIES

Intended to help new companies with emerging Internet technologies, HP introduces the Internet Finance program, which offers a wide range of lease options, including a deferred-leasing program that enables partners to port now and pay later -- all in an effort to encourage development on the HP 9000 and NetServer platforms.

#### HOW PARTNERS CAN JOIN HP 'S WINNING TEAM

Membership fees in the HP Domain Partner Program will be waived for new partners through May. Companies interested in becoming members may receive more information on the World Wide Web at [http://www. hp .com/go/inetpartners](http://www.hp.com/go/inetpartners) or call 800/249-3294.

By collaborating on emerging Internet technologies, HP and its partners can help corporate customers get control of their businesses on the Internet...

...manageable and scalable solutions that integrate heterogeneous systems across an enterprise. The solutions developed by HP and its partners are expected to address a wide range of Internet needs, from simple Web-publishing to mission-critical electronic commerce. Through the HP Domain Partner Program, customers may reap the benefits of Internet-ready solutions from leading Internet technology, application and service companies.

"With the HP Domain Partner Program, Netscape and HP continue to enhance a strategic relationship designed to meet the needs of our enterprise customers...

...vice president of Indirect Sales at Netscape Communications Corporation. "Netscape will continue to work with HP to help our customers increase productivity with open e-mail, groupware and enterprise solutions based on the Netscape ONE platform."

#### CHARTER MEMBERS OF HP DOMAIN PARTNER PROGRAM

The following companies are charter members of the HP Domain Partner Program. Each of these companies has leading-edge solutions that support the emerging...

...Seer Technologies, Inc., Speedware, SSA, Sybase, Texas Instruments Software, Unidata, Unify, VeriFone, Verisign and VMARK.

HP is a leading provider of Internet and Intranet solutions and the second-largest computer supplier...

...of computing, communications and measurement products and services recognized for excellence in quality and support. HP has 110,800 employees and had revenue of \$31.5 billion in its 1995 fiscal year.

Information about HP and its products can be found on the World Wide Web at <http://www. hp .com>. -0-

HP DOMAIN PARTNER PROGRAM QUOTE SHEET



"Forte Software is excited to be able to bring its powerful Internet solutions to the HP Internet Partner Program. With Forte, customers are able to build powerful Internet clients and business...

...is how to leverage their strategic, legacy applications in an Internet world. i-Cube and HP are successfully partnering to address these challenges, and this new program will significantly extend the...

...of Marketing and Business Development, i-Cube

"Information Builders WebFOCUS Internet reporting software -- along with HP's family of Domain Enterprise Servers -- provides an unbeatable combination of hardware and software, providing...across the enterprise."

-- David Sandel, vice president of the Open Systems Division, Information Builders

"The HP Domain Partner Program complements Unify's Web- technology leadership with best-of-breed services to deliver our mutual customers leading Web and client/server solutions. HP and Unify's integrated technology brings mature client/server know-how to transaction-based Web...

...trademark of Microsoft Corp.

CONTACT: Hewlett-Packard Co.  
Michele Reina, 408/447-5334  
mreina@cup.hp.com  
or  
Cunningham Communications for HP  
Kristina Moustakas, 408/447-6363  
kristina@ccipr.com

32/3,K/18 (Item 13 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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04509968 Supplier Number: 46624258 (USE FORMAT 7 FOR FULLTEXT)  
**NetServers: HP Forms Enterprise NetServer Operation to Establish HP  
NetServers as No. 1 Enterprise PC Server Platform; Enterprise NetServer  
Operation Partner Program Announced**  
EDGE: Work-Group Computing Report, pN/A  
August 12, 1996  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 1198

(USE FORMAT 7 FOR FULLTEXT)  
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... enterprise.

PARTNER PROGRAM LEVERAGES SUCCESS WHILE BREAKING NEW GROUND The Partner Program will build on HP's long-standing and successful relationships with enterprise-software vendors and work with them to optimize their technology for HP NetServer systems and to launch joint

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CANNON NAMED GENERAL MANAGER OF ENTERPRISE NETSERVER...

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"There is increasing market acceptance of Intel-based application servers, and HP plans to leverage its strong alliances with Microsoft and Intel to provide the most competitive systems for this market," said Rick Belluzzo, HP executive vice president and general manager of the Computer Organization. "HP will use its current enterprise sales force to deliver Windows NT and UNIX systems to the enterprise."

INTEL & MICROSOFT VOICE SUPPORT FOR ENO

"With the Enterprise NetServer Operation and HP 's enterprise experience, HP is uniquely positioned to take advantage of this evolving market," said David House, senior vice president, Enterprise Server Group. "Intel's Pentium Pro processor, the power that drives HP 's award-winning HP NetServer LX Pro application server, is also driving the expansion of the new Windows NT-application-server market."

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...Server, paired with the latest high-performance processors, creates a complete platform for application servers. HP is clearly a leader in building and supporting enterprise-ready application servers."

ENTERPRISE NETSERVER OPERATION BUILDING ON HP 'S CORE COMPETENCIES

The Enterprise NetServer Operation builds on competencies from HP 's Network Server Division as well as from its General Systems Division. These competencies include performance, availability, manageability and alliances.

\* Performance -- The recent introduction of the HP NetServer LX Pro application server and the announcement of its world-record SAP benchmarks prove HP 's ability to quickly roll out high-performance systems tuned to leading applications. For example, on May 29, HP, Intel, Oracle and SAP announced the world's leading Intel-based SAP SD benchmark result of 900 users. In addition, the HP NetServer LX Pro application server won in competitive reviews from Computerworld and PC Week, beating Compaq and IBM.

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32/3,K/19 (Item 14 from file: 16)  
DIALOG(R) File 16:Gale Group PROMT(R)  
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04500392 Supplier Number: 46609501 (USE FORMAT 7 FOR FULLTEXT)  
**HP Forms Enterprise NetServer Operation to Establish HP NetServers as No. 1 Enterprise PC Server Platform; Enterprise NetServer Operation Partner Program Announced to Deliver Optimized Software Solutions.**  
Business Wire, p08060156

August 6, 1996  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 1308

(USE FORMAT 7 FOR FULLTEXT)

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X/Open is a...

...Microsoft Corp.

CONTACT: Hewlett-Packard

Larry Sennett, 408/553-2916

or

Alexander Communications, Inc. for HP

Brian Johnson, 415/923-1660

fax: 415/923-9863

e-mail: bjohnson@alexander-pr.com

TRADE NAMES: HP NetServer

32/3,K/20 (Item 1 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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02109789 SUPPLIER NUMBER: 19804183 (USE FORMAT 7 OR 9 FOR FULL TEXT)

HP 's irrevocable trust with Trust Bank. (outsourcing contract) (Company Business and Marketing) (Brief Article)

HP Professional, v11, n9, p8(2)

Sep, 1997

DOCUMENT TYPE: Brief Article ISSN: 0896-145X LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 219 LINE COUNT: 00021

HP 's irrevocable trust with Trust Bank. (outsourcing contract) (Company Business and Marketing) (Brief Article)

TEXT:

HP announced it will manage information technology operations for Trust Bank (Tasmania, Australia) in a five...

...commercial banking. The bank manages over \$1.8 billion in assets. New computer equipment, including HP K-class servers, Intel-based NetServer systems and HP Vectra PCs, will be acquired through ComputerLand Tasmania and leased through HP Technology Finance.

All products and outsourcing services will be bundled under a flat monthly fee. HP offers a technology refresh program on all hardware, which will help Trust Bank manage its growing technology requirements and offset technology obsolescence. HP will maintain daily computer operations at the bank's headquarters and branches, while Trust Bank...

...concentrate on new business applications such as video banking and store-valued cards. In addition, HP will be responsible for the design of

a new network infrastructure and implementation of a...

32/3,K/21 (Item 1 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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03898241 Supplier Number: 50064323 (USE FORMAT 7 FOR FULLTEXT)  
-HEWLETT-PACKARD: HP launches new PC server solution suite  
M2 Presswire, pN/A  
June 9, 1998  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 496

(USE FORMAT 7 FOR FULLTEXT)  
-HEWLETT-PACKARD: HP launches new PC server solution suite  
TEXT:  
M2 PRESSWIRE-9 June 1998-HEWLETT-PACKARD: HP launches new PC server solution suite (C)1994-98 M2 COMMUNICATIONS LTD RDATE:080698 -- Continues leadership in small- to medium-sized-business market Hewlett-Packard Company today announced the HP small-business **NetServer** solution suite, an affordable, easy-to-use and powerful solution for European small businesses that...

...up to 128K bps, remote access and secure Internet connections. The solution suite combines an HP **NetServer** E45 or E50 system with Microsoft BackOffice Small Business Server and Eicon's Diva Server...  
...Options for an integrated backup solution or an Internet Service Provider package also are available. "HP pioneered the small- to medium-sized-business [SMB] server market and intends to continue to...

...meet the needs of SMB customers," said Thierry Dumont, European SMB product marketing manager for HP's Network Server Division. "With our new solution suite, small businesses with little or no MIS support can increase productivity and thus better compete in today's market." The HP small-business **NetServer** solution suite can increase the productivity of a small business team by providing faster and...

...competitiveness by providing easy-to-use tools for getting started on the Internet. An optional **leasing** package is available from resellers through HP Technology Finance. The **leasing** package lets customers pay a monthly fee and gives them the flexibility, after 18 months, to upgrade or change their systems to meet their requirements. Pricing and Availability  
The HP small-business **NetServer** solution suite is available immediately throughout Europe. The new solution suite will start at an aggressive price point of \$4,300. About HP Hewlett-Packard Company's Network Server Division offers a complete family of PC server systems including the HP **NetServer** E Series systems, the first line of servers designed for self-supporting workgroups and environments with little or no MIS support. All HP **NetServer** systems come equipped with HP TopTools management software and the HP **NetServer** Navigator, featuring easy-to-use tools to configure, install and manage the servers. Hewlett-Packard...

...of computing, communications and measurement products and services recognized for excellence in quality and support. HP has 125,300 employees and had revenue of \$42.9 billion in its 1997 fiscal year. Information about HP and its products can be found on the World Wide Web at <http://www.hp.com/go/netservers>. Press releases may contain statements that are forward-looking. These statements are...

...of a number of risks and uncertainties, including those detailed from time to time in HP 's reports filed with the Securities and Exchange Commission. Click here to review these important...

32/3,K/22 (Item 2 from file: 636)

DIALOG(R) File 636:Gale Group Newsletter DB(TM)

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03663390 Supplier Number: 47890691 (USE FORMAT 7 FOR FULLTEXT)

**HEWLETT-PACKARD: Trust Bank outsources computer operations to HP in \$16.5m service & financing deal**

M2 Presswire, pN/A

August 5, 1997

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 641

(USE FORMAT 7 FOR FULLTEXT)

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TEXT:

M2 PRESSWIRE-5 August 1997-HEWLETT-PACKARD: Trust Bank outsources computer operations to HP in \$16.5 million service and financing deal (C)1994-97

M2 COMMUNICATIONS LTD

RDATE:040897

\* HP to implement mixed Microsoft Windows NT and UNIX system infrastructure for retail banking operation

Hewlett...

...based Trust Bank in a five-year, \$16.5 million outsourcing and technology finance agreement.

HP will maintain daily computer operations at the bank's headquarters and more than 50 branches...

...Australia, while Trust Bank's IT staff will concentrate on new business applications. In addition, HP will be responsible for the design of a new network infrastructure and implementation of a...

...Network, an Oracle database and a combination of Microsoft Windows NT and UNIX system servers. HP also will create a common desktop environment, providing a single integrated platform for all users...

...gave us access to the best expertise," said Paul Kemp, managing director of Trust Bank. "HP offers us the most efficient operation of information technology for our business and will assist us in our ambitious growth plans. While HP focuses on IT infrastructure and operations, we can focus on developing more competitive products, such as interactive video banking and stored-value cards."

New computer equipment, including UNIX system HP K-Class servers, Intel-based NetServer systems and HP Vectra personal computers, will be acquired through ComputerLand Tasmania and leased through HP Technology Finance. All products and outsourcing services will be bundled conveniently under a flat monthly fee. HP offers a technology refresh program on all hardware, which will help Trust Bank manage its...

...will enable Trust Bank to implement new technology and applications quickly; and

\* By leasing through HP, Trust Bank expects to improve its balance-sheet position.



"By relying on HP 's expertise in designing and supporting mixed Windows NT and UNIX system environments, Trust Bank...

...of a solid IT infrastructure for its daily operations," said Doug Chapin, general manager of HP 's Operations Services Division. "The new infrastructure will enable Trust Bank to use technology as...

...banking, personal banking and commercial banking. The bank manages over \$1.8 billion in assets.

HP offers a broad range of services to design, integrate, finance, implement, operate, manage and maintain computing environments consisting of multivendor hardware, software and networks. In 1996, HP generated \$5.3 billion in service revenue. HP information-technology service and support programs are delivered by 23,000 professionals worldwide.

About HP HP is the official information-technology hardware and maintenance supplier to the 1998 World Cup soccer...

...products and measurement solutions, all of which are recognized for excellence in quality and support. HP has 114,600 employees and had revenue of \$38.4 billion in its 1996 fiscal year.

Information about HP and its products can be found on the World Wide Web at <http://www.hp.com>.

\*M2 COMMUNICATIONS DISCLAIMS ALL LIABILITY FOR INFORMATION PROVIDED WITHIN M2 PRESSWIRE. DATA SUPPLIED BY...

32/3,K/23 (Item 3 from file: 636)

DIALOG(R) File 636:Gale Group Newsletter DB(TM)

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03253687 Supplier Number: 46675579 (USE FORMAT 7 FOR FULLTEXT)

HP FORMS ENTERPRISE NETSERVER OPERATION TO ESTABLISH HP SERVERS AS NO.

1 ENTERPRISE PC SERVER PLATFORM

Networks Update, v8, n9, pN/A

Sept 1, 1996

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 1168

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32/3,K/24 (Item 4 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

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03253058 Supplier Number: 46674889 (USE FORMAT 7 FOR FULLTEXT)

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NO. 1 ENTERPRISE PC SERVER PLATFORM

GUI Program News, v7, n9, pN/A

Sept 1, 1996

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 1168

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"There is increasing market acceptance of Intel-based application servers, and HP plans to leverage its strong alliances with Microsoft and Intel to provide the most competitive systems for this market," said Rick Belluzzo, HP executive vice president and general manager of the Computer Organization. "HP will use its current enterprise sales force to deliver Windows NT and UNIX systems to the enterprise."

Intel and Microsoft Voice Support for ENO

"With the Enterprise NetServer Operation and HP 's enterprise experience, HP is uniquely positioned to take advantage of this evolving market," said David House, senior vice president, Enterprise Server Group. "Intel's Pentium Pro processor, the power that drives HP 's award-winning HP NetServer LX Pro application server, is also driving the expansion of the new Windows NT-application-server market."

"Microsoft and HP have a long-standing, successful relationship," said Rich Tong, vice president, Desktop and Business Systems...

...Server, paired with the latest high-performance processors, creates a complete platform for application servers. HP is clearly a leader in building and supporting enterprise-ready application servers."

Enterprise NetServer Operation Building on HP 's Core Competencies

The Enterprise NetServer Operation builds on competencies from HP 's Network Server Division as well as from its General Systems Division. These competencies include performance, availability, manageability and alliances.

Performance

The recent introduction of the HP NetServer LX Pro application server and the announcement of its world-record SAP benchmarks prove HP 's ability to quickly roll out high-performance systems tuned to leading applications. For example, on May 29, HP, Intel, Oracle and SAP announced the world's leading Intel-based SAP SD benchmark result of 900 users. In addition, the HP NetServer LX Pro application server won in competitive reviews from Computerworld and PC Week, beating Compaq and IBM.

Availability

HP recently announced three new clustering-technology initiatives

that are expected to continue to deliver high-availability servers. HP 's MC/ServiceGuard, a clustering technology from HP 's General Systems Division, is being ported from HP -UX to Windows NT. Working in conjunction with Microsoft, HP plans to make Microsoft's clustering technology available on HP NetServer systems. Oracle's Parallel Server makes up the third component of HP 's high-availability strategy, which results from development collaboration between HP and Oracle.

#### Manageability

HP announced that its HP OpenView platform, the most popular network-management platform, will be available on Windows NT Server...

...management costs while increasing the level of service to end users.

#### Partner Program

To support HP NetServer systems in the Windows NT enterprise, HP is formulating strong technology and business alliances with the industry's top solution providers through...

...The Enterprise NetServer Operation Partner Program, also announced recently, is designed to build preference for HP NetServer systems among these top enterprise Windows NT-solution providers through programs ranging from product...

...exercises, joint development and collaborative marketing to joint sales and support.

To launch these programs, HP is offering a series of hardware-access programs to key solution providers. These include worldwide discounted purchase and rental programs as well as HP 's PA-RISC Developers Program, which now supports HP NetServer systems. The strength of the program is built on the foundation created by the relationship among HP , Microsoft and Intel. This relationship assures members of the partner program that they have early access to technology and participate in worldwide joint marketing initiatives.

#### World-class Service and Support

HP is uniquely qualified to support UNIX systems and NT in the enterprise market, from desktop to data center. HP 's robust set of business-critical support services, coupled with a world- class professional service team, strongly position HP as the preferred systems vendor for the enterprise. HP previously announced a support program that offers 24 x 365 support of Windows NT and Novell NetWare.

HP is one of three worldwide Microsoft Authorized Support Centers for providing customers service and support for Microsoft products, including Windows NT and BackOffice, through the reseller channel. HP has 35 response-center locations and 600 field offices worldwide for immediate response at any time.

HP believes it is better positioned than any other company to help customers implement HP -UX and NT operating environments into MVS, AIX, OS/400, VMS, Solaris and other legacy computing environments. While continuing to lead the worldwide UNIX system market with the HP -UX-based HP 9000 workstations and servers, the company also will lead the development and deployment of NT solutions on HP NetServer products. HP is focused on being the best at designing and implementing key technologies and is broadening...

...of computing, communications and measurement products and services recognized for excellence in quality and support. HP has 108,300 employees and had revenue of \$31.5 billion in its 1995 fiscal...

25/3,K/1 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2005 The Gale Group. All rts. reserv.

02202402 Supplier Number: 25677564 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Country Browser: Hong Kong**  
**(Hong Kong's online banking population is expected to rise to 1.17 mil by 2004; just 16 of Hong Kong's 773 registered brokers offer online securities trading)**  
Financial NetNews, v V, n 17, p 8+  
April 24, 2000  
DOCUMENT TYPE: Newsletter; Industry Overview (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 1555

TEXT:  
...Internet accounts via the Public Switch Telecom Network (PSTN) and 8,300 Internet accounts via **leased** circuits as of January. These figures understate the number of Internet users, however, as it is impossible to **track** how many people have access to each account, explained a spokeswoman. Despite encouraging growth **rates** in Internet **usage**, only five banks currently offer a Web- **based** service, and online trading in Hong Kong has to date been stymied by the absence...

25/3,K/2 (Item 2 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2005 The Gale Group. All rts. reserv.

01501130 Supplier Number: 24196408 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Universal Hospital Undergoes \$133M Recap**  
**(Universal Hospital Services Inc has completed a \$133 mil recapitalization procedure structured as a recapitalization for accounting purposes)**  
Private Equity Week, v 5, n 10, p 1+  
March 09, 1998  
DOCUMENT TYPE: Newsletter ISSN: 1099-341X (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 297

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:  
...through its pay-per-use equipment-management programs. Through the program, health-care providers are **charged** a per- **use rental fee** based on actual **usage**. The company provides equipment in four main categories: critical care, **monitoring**, respiratory therapy and newborn care.

The company has 46 district offices throughout the U.S...

25/3,K/3 (Item 3 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2005 The Gale Group. All rts. reserv.

00960528 Supplier Number: 23542330 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**VARs hone in on wireless LANs**  
**(Wireless LAN market in the US will more than triple by the year 2000 to around \$350 mil)**  
Computer Reseller News, n 686, p 81

June 03, 1996

DOCUMENT TYPE: Journal ISSN: 0893-8377 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 1339

ABSTRACT:

...hospital staff punching up medical records with handheld computers at patients bedsides, or warehouse personnel **tracking** merchandise with similar equipment. Some companies are also turning to wireless bridges for campus-level links between buildings; a strategy that eliminates monthly **leases** and **usage - based charges** associated with T1 lines and other carrier- **based** media. The BRG study indicated companies will lean toward incremental adoption, based upon growing acceptance...

25/3,K/4 (Item 4 from file: 9)

DIALOG(R)File 9:Business & Industry(R)

(c) 2005 The Gale Group. All rts. reserv.

00569845 Supplier Number: 23065538 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Desktop Mgm't Wares Readied for Market**

(Leading vendors demonstrate products conforming to specifications for the Desktop Management Interface guidelines)

CommunicationsWeek, n 527, p 1+

October 17, 1994

DOCUMENT TYPE: Journal; Industry Overview ISSN: 0748-8121 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 1131

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...exploring the possibility of using the DMI to manage custom applications and information, such as **tracking** the status of a particular insurance plan, Howard said.

Danny Day, vice president at Southwin Charter **Leasing** Inc., an Atlanta-based computer **leasing** firm, said his company is considering **using** DMI for **tracking** financial information in its custom inventory and asset management applications.

"Whether companies are **billing** internally or externally, there is certain information that has to be **tracked**," said Day. "When **leasing** products, such as hardware, companies need to have quick access to information about the inception..."

25/3,K/5 (Item 1 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2005 ProQuest Info&Learning. All rts. reserv.

01849467 05-00459

**The workings of the London office market**

Hendershott, Patric H; Lizieri, Colin M; Matysiak, George A

Real Estate Economics v27n2 PP: 365-387 Summer 1999

ISSN: 1080-8620 JRNL CODE: REU

ABSTRACT: Estimates are presented of an equilibrium- **based** dynamic adjustment model of the office market, **using** supply and demand relationships to link construction, absorption, vacancies and **rents** to employment growth and real interest **rates**. The model is estimated using

data from the City of London office market over 1977-1996. The model **tracks** the market dynamically, and the severe 1985-1996 cycle is shown to be related to...

25/3,K/6 (Item 2 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2005 ProQuest Info&Learning. All rts. reserv.

01602313 02-53302  
**Software choices make the difference for corporations**  
Sheridan, Mike  
National Real Estate Investor v40n3 PP: 94-100 Mar 1998  
ISSN: 0027-9994 JRNL CODE: NRE  
WORD COUNT: 1951

...TEXT: require customization

Customization of corporate real estate software was important at McKesson Corp., a \$19 **billion** pharmaceutical distribution company **based** in San Francisco.

"We **use** ACE and Retrack systems that were provided for us by CB Commercial. ACE is a...

25/3,K/7 (Item 3 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2005 ProQuest Info&Learning. All rts. reserv.

01503546 01-54534  
**Budget drives savings**  
Hamblen, Matt  
Computerworld v31n37 PP: 55-56 Sep 15, 1997  
ISSN: 0010-4841 JRNL CODE: COW  
WORD COUNT: 558

...TEXT: S.

The instructor also has eight PCs rack-mounted on a wall, where he can **monitor** how each student is filling out a computer- **based** car **rental** form. The PCs **use** analog modems over standard phone lines.

With a total of 16 analog phone lines and a \$1 per month service **charge** per line, Kasten said Budget also saves over the cost of a T1 line - which ...

25/3,K/8 (Item 4 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2005 ProQuest Info&Learning. All rts. reserv.

01166910 98-16305  
**Selling information: What records managers should know**  
Lemieux, Victoria  
Records Management Quarterly v30n1 PP: 3-19 Jan 1996  
ISSN: 1050-2343 JRNL CODE: RMQ  
WORD COUNT: 14561

...TEXT: to a database the Post Office was offering to other organizations



for a one-time **rental fee** . The US Postal Service sells address information to R.L. Polk for \$48,000 annually. R.L Polk **tracks** information on over 80 million US households for use in updating its mailing lists and...

**25/3,K/9 (Item 1 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2005 The Gale Group. All rts. reserv.

08041912 Supplier Number: 66925648 (USE FORMAT 7 FOR FULLTEXT)

**(0) New Edge Networks Expands High-Speed DSL Service to Montana: Butte, Great Falls, Helena and Missoula.**

Business Wire, p0181

August 25, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 628

... class DSL technology generally provides the same speed at half the monthly cost. Monthly DSL **rate** offerings range among Internet service providers and generally include the monthly ISP access **charge** , local telephone **charges** , plus unlimited **usage** .

About New Edge Networks

**Based** in Vancouver, Wash., New Edge Networks was founded in June 1999 to provide wholesale DSL...

**25/3,K/10 (Item 2 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2005 The Gale Group. All rts. reserv.

08023694 Supplier Number: 66754434 (USE FORMAT 7 FOR FULLTEXT)

**New Edge Networks Launches Branchise Referral Program to Go Further, Faster with Broadband DSL for Business, Home Offices.**

Business Wire, p0096

Nov 9, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 655

... company, DSL technology generally provides the same speed at half the monthly cost. Monthly DSL **rate** offerings range among Internet service providers and generally include the monthly ISP access **charge** , local telephone **charges** , plus unlimited **usage** .

About New Edge Networks

**Based** in Vancouver, Wash., New Edge Networks was founded in June 1999 to provide wholesale broadband...

**25/3,K/11 (Item 3 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2005 The Gale Group. All rts. reserv.

07756113 Supplier Number: 64818273 (USE FORMAT 7 FOR FULLTEXT)

**New Edge Networks Expands High-Speed DSL Service to Montana: Butte, Great Falls, Helena and Missoula.**

Business Wire, p0141

August 25, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade  
Word Count: 610

... class DSL technology generally provides the same speed at half the monthly cost. Monthly DSL **rate** offerings range among Internet service providers and generally include the monthly ISP access **charge** , local telephone **charges** , plus unlimited **usage** .

About New Edge Networks

**Based** in Vancouver, Wash., New Edge Networks was founded in June 1999 to provide wholesale DSL...

**25/3,K/12 (Item 4 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2005 The Gale Group. All rts. reserv..

07540163 Supplier Number: 63261331 (USE FORMAT 7 FOR FULLTEXT)

**New Edge Networks Expands High-speed Broadband Services to Nebraska, Iowa.**

Business Wire, p2570

July 10, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 685

... class DSL technology generally provides the same speed at half the monthly cost. Monthly DSL **rate** offerings range among Internet service providers and generally include the monthly ISP access **charge** , local telephone **charges** , plus unlimited **usage** .

About New Edge Networks

**Based** in Vancouver, Wash., New Edge Networks was founded in June 1999 to provide wholesale DSL...

**25/3,K/13 (Item 5 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2005 The Gale Group. All rts. reserv..

07486126 Supplier Number: 62872020 (USE FORMAT 7 FOR FULLTEXT)

**New Edge Networks Expands Broadband Services Into Florida; Daytona Beach**

**First to Get DSL Internet Access.**

Business Wire, p2453

June 22, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 708

... class DSL technology generally provides the same speed at half the monthly cost. Monthly DSL **rate** offerings range among Internet service providers and generally include the monthly ISP access **charge** , local telephone **charges** , plus unlimited **usage** .

About New Edge Networks

**Based** in Vancouver, Wash., New Edge Networks was founded in June 1999 to provide wholesale DSL...

**25/3,K/14 (Item 6 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)

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07467164 Supplier Number: 61848255 (USE FORMAT 7 FOR FULLTEXT)

**New Edge Networks Bridges 'Digital Divide' in More Than 100 Locations and Nine States.**

Business Wire, p0169

May 2, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 500

... class DSL technology generally provides the same speed at half the monthly cost. Monthly DSL **rate** offerings range among Internet service providers and generally include the monthly ISP access **charge** , local telephone **charges** , plus unlimited **usage** .

About New Edge Networks

**Based** in Vancouver, Wash., New Edge Networks was founded in June 1999 to provide wholesale DSL...

25/3,K/15 (Item 7 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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07435650 Supplier Number: 62543647 (USE FORMAT 7 FOR FULLTEXT)

**New Edge Networks Marks 200 Locations; Doubles DSL Network Sites in 30 Days.**

Business Wire, p0163

June 7, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 531

... class DSL technology generally provides the same speed at half the monthly cost. Monthly DSL **rate** offerings range among Internet service providers and generally include the monthly ISP access **charge** , local telephone **charges** , plus unlimited **usage** .

About New Edge Networks

**Based** in Vancouver, Wash., New Edge Networks was founded in June 1999 to provide wholesale DSL...

25/3,K/16 (Item 8 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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06142270 Supplier Number: 53910980 (USE FORMAT 7 FOR FULLTEXT)

**Omnipoint Debuts Cellular Video Monitoring Technology 02/18/99.**

Newsbytes, pNA

Feb 18, 1999

Language: English Record Type: Fulltext

Document Type: Newswire; General Trade

Word Count: 568

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...completed or even stay online to the vehicle permanently, if desired. The Redhawk 2000 is **billed** as a GSM/PCS- **based** wireless data terminal that connects to virtually any application **using** a serial interface and simple AT command set, enabling cost-effective, two-way communication and ...

25/3,K/17 (Item 9 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2005 The Gale Group. All rts. reserv.

06085750 Supplier Number: 53606436 (USE FORMAT 7 FOR FULLTEXT)  
**Citibank Cardholders Have An Edge At The Used Car Lot.**  
Card News, v14, n1, pNA  
Jan 18, 1999  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 651

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:  
...the rebates were earned; however, a cardholder who has not yet made a purchase or **lease** decision, but has expiring rebates, can redeem those rebates for full cash value. To redeem rebates on either program **track**, cardholders are instructed to send to Citibank, within 60 days a copy of their used- vehicle purchase or **lease**, a completed redemption form and either a copy of a dealership **bill** of sale, the lease agreement, or the vehicle registration. Citibank then sends the cardholder a...

25/3,K/18 (Item 10 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2005 The Gale Group. All rts. reserv.

05752835 Supplier Number: 50236643 (USE FORMAT 7 FOR FULLTEXT)  
**Securities Data Company Launches Real Estate Investment Trust (REIT) Database**  
PR Newswire, p0811NYTU097  
August 11, 1998  
Language: English Record Type: Fulltext  
Article Type: Article  
Document Type: Newswire; Trade  
Word Count: 532

... SDC's Windows(R)-based software. Using SDC Platinum, users can perform powerful searches for **tracking**, comparing, and evaluating the performance of REITs -- especially at the property level. Data items include name, address, occupancy **rates**, **rents**, purchase price, and much more on over 18,000 holdings. In addition, corporate profile information...

25/3,K/19 (Item 11 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2005 The Gale Group. All rts. reserv.

05489140 Supplier Number: 48316595 (USE FORMAT 7 FOR FULLTEXT)  
**J.W. Childs Recapitalizes Universal Hospital Services**  
PR Newswire, p0225MNMW017  
Feb 25, 1998  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 471

... Pay-Per-Use(TM)TM equipment management programs. Under UHS rental programs, healthcare providers are **charged** a per- use rental **fee based** on actual **usage**. In addition, UHS sells disposable supplies related to the equipment it **rents**. UHS operates through 46 district

offices and seven regional service centers serving customers in 47 states and the District of Columbia in four primary categories--critical care, **monitoring**, respiratory therapy and newborn care.

J.W. Childs Associates, L.P. is a private investment...

25/3,K/20 (Item 12 from file: 16)

DIALOG(R) File 16:Gale Group PROMT(R)

(c) 2005 The Gale Group. All rts. reserv.

05248101 Supplier Number: 47999109 (USE FORMAT 7 FOR FULLTEXT)

**Employees Play and Show Full Day's Work; Computer Games Not a Crime.**

Business Wire, p09231557

Sept 23, 1997

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 285

... at www.persyst.com . The software can also be used for benchmarking operations, telecommuting, software **rental**, **billing** computer work, and **tracking** website activity.

CONTACT: Perspective Systems  
Gary Skinner, 408/372-8118  
persyst@mbay.net

25/3,K/21 (Item 13 from file: 16)

DIALOG(R) File 16:Gale Group PROMT(R)

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05195040 Supplier Number: 47927408 (USE FORMAT 7 FOR FULLTEXT)

**FTC Will File Suit to Block Proposed Acquisition of Universal Hospital Services, Inc. by MEDIQ Incorporated**

PR Newswire, p0822MNF005

August 22, 1997

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 330

... Pay-Per-Use equipment management programs. Under UHS's rental programs, health care providers are **charged** a per **use** rental **fee based** on actual **usage**. In addition, UHS sells disposable supplies related to the equipment it **rents**. UHS operates through 46 district offices and eight regional service centers serving customers in 46 states in five primary categories -- critical care, **monitoring**, newborn care, respiratory care and specialty beds.

SOURCE Universal Hospital Services, Inc.

-0-

8/22...

25/3,K/22 (Item 14 from file: 16)

DIALOG(R) File 16:Gale Group PROMT(R)

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04949126 Supplier Number: 47273637 (USE FORMAT 7 FOR FULLTEXT)

**Shareholders of Universal Hospital Services, Inc. Approve Acquisition by MEDIQ Incorporated**

PR Newswire, p0404MNF017  
April 4, 1997  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 396

... Pay-Per-Use equipment management programs. Under Universal's rental programs, health care providers are **charged** a per **use** rental **fee** **based** on actual **usage** . In addition, Universal sells disposable supplies related to the equipment it **rents** . Universal operates through 46 district offices and eight regional service centers serving customers in 46 states in five primary categories critical care, **monitoring** , newborn care, respiratory care and specialty beds.

MEDIQ operates a critical care and life support medical equipment **rental** business in the U.S. **renting** a wide variety of equipment for use by acute care hospitals, alternative care facilities, nursing...

25/3,K/23 (Item 15 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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04918451 Supplier Number: 47230759 (USE FORMAT 7 FOR FULLTEXT)  
**Universal Hospital Services, Inc. Sets Shareholder Meeting for Merger Approval**

PR Newswire, p0321PHF026  
March 21, 1997  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 391

... Pay-per-Use equipment management programs. Under Universal's rental programs, health care providers are **charged** a per **use** rental **fee** **based** on actual **usage** . In addition, Universal sells disposable supplies related to the equipment it **rents** . Universal operates through 46 district offices and eight regional service centers serving customers in 46 states in five primary categories -- critical care, **monitoring** , newborn care, respiratory care and specialty beds.

MEDIQ operates a critical care and life support medical equipment **rental** business in the U.S., **renting** a wide variety of equipment for use by acute care hospitals, alternate care facilities, nursing...

25/3,K/24 (Item 16 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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04839232 Supplier Number: 47119638 (USE FORMAT 7 FOR FULLTEXT)  
**MEDIQ To Acquire Universal Hospital Services, Inc.**

PR Newswire, p211PHTU006  
Feb 11, 1997  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 588

... Pay-per-Use equipment management programs. Under Universal's rental programs, health care providers are **charged** a per **use** rental **fee** **based** on actual **usage** . In addition, Universal sells disposable supplies related to the equipment it **rents** . Universal operates through 46 district offices and eight regional service centers serving customers in 46 states

in five primary categories -- critical care, **monitoring** , newborn care, respiratory care and specialty beds. For the twelve months ended September 30, 1996...

**25/3,K/25 (Item 17 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2005 The Gale Group. All rts. reserv.

04795461 Supplier Number: 47056628 (USE FORMAT 7 FOR FULLTEXT)  
**Western Atlas Acquisition of Norand Creates A Leader in High-Growth Data Collection and Mobile Computing Industries**  
News Release, pN/A  
Jan 22, 1997  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 724

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:  
...value and solutions to its customers. The overall ADC industry has shown consistent annual growth **rates** of 12 to 17 percent." Norand's strong positions in wireless technology, pen-based systems and in inventory **tracking** , route accounting and mobile computing solutions for the transportation, car **rental** , automotive and food/beverage industries, directly complement Intermec's expertise in rugged ADC systems for...

**25/3,K/26 (Item 1 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

11248262 SUPPLIER NUMBER: 55316091 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Is Booking Over the Web Worth the Trip?(Industry Overview)**  
BROWN, ANN  
Black Enterprise, 30, 1, 129  
August, 1999  
DOCUMENT TYPE: Industry Overview ISSN: 0006-4165 LANGUAGE:  
English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 1943 LINE COUNT: 00167

... to research and/or make travel plans. Online travel agencies promise cheaper hotel rooms, car- **rental rates** and airfares, more flight options and special discounts. According to PhoCusWright, a Sherman, Connecticut- **based** research company that **tracks** Internet **use** , only 18% of wired travelers purchase airline tickets online. However, the Travel Industry Association of...

**25/3,K/27 (Item 2 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

09907222 SUPPLIER NUMBER: 20053972 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**New Patent Meters User Activity.**  
Business Wire, p12090010  
Dec 9, 1997  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 409 LINE COUNT: 00038

... based on user-defined rules. Applications for the invention using activity metering include automatic time/ **billing** , employee **monitoring** , telecommuting, media research, advertising, benchmarking operations, and software **rental** .

Soon, ISPs can install prices for each service and **bill** only for the time each service, or software product, is actually used versus billing based...

**25/3,K/28 (Item 3 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

09903211 SUPPLIER NUMBER: 20047782 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**J.W. Childs to Acquire Universal Hospital Services**  
PR Newswire, p1126NYW029  
Nov 26, 1997  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 564 LINE COUNT: 00052

... Per-Use(TM) equipment management programs. Under UHS's rental programs, health care providers are **charged** a per use rental **fee** based on actual usage. In addition, UHS sells disposable supplies related to the equipment it **rents** . UHS operates through 46 district offices and eight regional service centers serving customers in 50 states in five primary equipment categories -- critical care, **monitoring** , newborn care, respiratory care and specialty beds.

J.W. Childs Associates is a private investment...

**25/3,K/29 (Item 4 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

07803613 SUPPLIER NUMBER: 16806546 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**MCI said Waterhouse Securities signed 3-year, \$9-million contract for long distance voice services at N.Y. hq. (Telephony)**  
Communications Daily, v15, n70, p8(1)  
April 12, 1995  
ISSN: 0277-0679 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 83 LINE COUNT: 00007

Sprint Canada is offering **billing** information software that allows medium- and large-sized businesses to **track** telecommunications costs **using** Windows- **based** system. Service will be offered free to larger customers, on monthly **rental** to smaller customers, Sprint Canada said.

**25/3,K/30 (Item 1 from file: 160)**

DIALOG(R)File 160:Gale Group PROMT(R)  
(c) 1999 The Gale Group. All rts. reserv.

01086461

**PHONE WATCH: LAUNCHING AN OPTICAL-FIBER 'CARRIER'S CARRIER'.**  
Business Week (Industrial Edition) October 15, 1984 p. 134

Fibertrak will **lease** its high-speed cables to carry voice and data traffic for long-distance carriers. It will lay over \$1 **billion** in optical-fiber cables along 8,000 mile of **track** , linking 53 cities. Carriers will then be able to **use** rail- **based** fiber systems to hold down



capital costs. Fibertrak is a joint venture of Santa Fe...

**25/3,K/31 (Item 1 from file: 275)**

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2005 The Gale Group. All rts. reserv.

01176429 SUPPLIER NUMBER: 00657140 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Live Market Quotes on Your PC.**

Gianturco, Michael

PC Magazine, v5, n3, p181-185

Feb. 11, 1986

DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 3316 LINE COUNT: 00253

...ABSTRACT: brokers, money managers, investment advisors and some analysts are often quote display terminals fed by **leased** telephone lines **used** only for transmitting stock quotes. Advantages of PC- **based** systems are lower cost and the addition of functions, such as **monitoring** and analyzing specific data. Signal (\$595 plus \$100 a month in **fees** ) is a well-designed package with a variety of features that are easy to learn...

**25/3,K/32 (Item 1 from file: 636)**

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2005 The Gale Group. All rts. reserv.

04784354 Supplier Number: 65300801 (USE FORMAT 7 FOR FULLTEXT)

**NEW EDGE NETWORKS EXPANDS DSL TO MICHIGAN/NORTH DAKOTA.**

Tele-Service News, v12, n10, pNA

Oct, 2000

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 622

... class DSL technology generally provides the same speed at half the monthly cost. Monthly DSL **rate** offerings range among Internet service providers and generally include the monthly ISP access **charge** , local telephone **charges** , plus unlimited **usage** .

About New Edge Networks

**Based** in Vancouver, Wash., New Edge Networks was founded in June 1999 to provide wholesale DSL...

**25/3,K/33 (Item 2 from file: 636)**

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2005 The Gale Group. All rts. reserv.

04673439 Supplier Number: 62266197 (USE FORMAT 7 FOR FULLTEXT)

**NEW EDGE NETWORKS GETS CLOSER TO LINE SHARING WITH U S WEST. (Company Business and Marketing)**

RBOC Update, v11, n6, pNA

June, 2000

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 596

... class DSL technology generally provides the same speed at half the monthly cost. Monthly DSL **rate** offerings range among Internet service

providers and generally include the monthly ISP access **charge** , local telephone **charges** , plus unlimited **usage** .

About New Edge Networks

**Based** in Vancouver, Wash., New Edge Networks was founded in June 1999 to provide wholesale DSL...

**25/3,K/34 (Item 3 from file: 636)**

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2005 The Gale Group. All rts. reserv.

04652146 Supplier Number: 62002020 (USE FORMAT 7 FOR FULLTEXT)

**HONG KONG.(information technology in the banking and securities industries)**

Scott, M. Cathy

Financial Net News, v5, n17, p8

April 24, 2000

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 1747

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...Internet accounts via the Public Switch Telecom Network (PSTN) and 8,300 Internet accounts via **leased** circuits as of January. These figures understate the number of Internet users, however, as it is impossible to **track** how many people have access to each account, explained a spokeswoman. Despite encouraging growth **rates** in Internet **usage** , only five banks currently offer a Web- **based** service, and

**25/3,K/35 (Item 4 from file: 636)**

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2005 The Gale Group. All rts. reserv.

03956300 Supplier Number: 50314563 (USE FORMAT 7 FOR FULLTEXT)

**ISP MERGERS WITH PHONE COMPANIES BRING ADVANTAGES TO BOTH BUSINESS**

**INTERESTS**

Information & Interactive Services Report, v19, n3, pN/A

Feb 6, 1998

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 2241

... distributed by IBM and other system manufacturers."

Aladdin's Hasp and Hardlock technologies are key- **based** software security systems that **monitor** software licensing and prevent unauthorized **use** . The Wave system is a turnkey solution for electronic content distribution and transaction processing that can turn PCs into digital cash registers for secure **renting** and purchasing of software.

In another matter, Wave Systems Corp. Jan. 30 said it received a \$750,000 license **fee** payment from United Kingdom-based GlobalWave Ltd., in response to the July 1997 agreement between...

**25/3,K/36 (Item 5 from file: 636)**

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2005 The Gale Group. All rts. reserv.

02696979 Supplier Number: 45469346 (USE FORMAT 7 FOR FULLTEXT)

**TELEPHONY**

Communications Daily, v15, n70, pN/A  
April 12, 1995  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 2068

... 24 hour coverage for callers checking their accounts at discount brokerage. -----

Sprint Canada is offering **billing** information software that allows medium- and large-sized businesses to **track** telecommunications costs **using** Windows - **based** system. Service will be offered free to larger customers, on monthly **rental** to smaller customers, Sprint Canada said.  
-----

Transactions: Pacific Bell signed agreement with Northern Telecom for  
...

25/3,K/37 (Item 6 from file: 636)  
DIALOG(R) File 636:Gale Group Newsletter DB(TM)  
(c) 2005 The Gale Group. All rts. reserv.

01118972 Supplier Number: 40844784 (USE FORMAT 7 FOR FULLTEXT)  
**END-USER REPORT - The Consumption Of Automatic Identification/Bar Code  
Equipment By The Government/Military Sector**  
Sensors & Instrumentation News, v3, n7, pN/A  
July, 1989  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 632

... a \$500,000 tag system designed by General railway Signal Corp.  
(Rochester, N.Y.) which **tracks** about 900 courtesy vans operated by hotels  
and **rental** -car companies. In lieu of **charging** van operators a flat  
monthly **fee**, the airport **bills** them 35 cents every time they travel the  
passenger areas.

Copyright 1989 Market Intelligence Research...  
?

38/3,K/1 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2005 The Gale Group. All rts. reserv.

01487725 Supplier Number: 24173114 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Cracker Barrel tests energy-saving gear**  
(Cracker Barrel Old Country Store Inc is testing PrimePower, new utility  
monitoring service offered by North Carolina Electric Membership  
Cooperative)  
Nation's Restaurant News, v 32, n 7, p 18  
February 16, 1998  
DOCUMENT TYPE: Journal ISSN: 0028-0518 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 109

TEXT:  
...Cooperative, an electric cooperative based here.

The program will allow chain and cooperative employees to **monitor**, both  
on site and **remotely**, Cracker Barrel's **energy usage** and will  
consolidate the operator's electric **billing** for all 21 sites in North  
Carolina, and make recommendations for more efficient energy usage...

38/3,K/2 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2005 ProQuest Info&Learning. All rts. reserv.

01999021 51072172  
**Internet plays key role in new wave utility-management strategies**  
Liddle, Alan J  
Nation's Restaurant News v34n11 PP: 28, 66 Mar 13, 2000  
ISSN: 0028-0518 JRNL CODE: NRN  
WORD COUNT: 1073

...ABSTRACT: and accounting services are offering Internet-enabled tools.  
Internet-accessible databases of water, gas and **electricity usage** and  
**bill** payments, along with Web-enabled **remote monitoring** and control of  
rooftop HVAC units and in-restaurant lighting control devices, are now key  
...  
...TEXT: energy-management and utility auditing and accounting services.

Internet-accessible databases of water, gas and **electricity usage** and  
**bill** payments, along with Web-enabled **remote monitoring** and control of  
rooftop HVAC units and in-restaurant lighting control devices, are now key  
...

38/3,K/3 (Item 2 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2005 ProQuest Info&Learning. All rts. reserv.

01785551 04-36542  
**Hyper-efficient companies**  
Caldwell, Bruce; Violino, Bob  
Informationweek n723 PP: 40-48 Mar 1, 1999  
ISSN: 8750-6874 JRNL CODE: IWK  
WORD COUNT: 3099

...TEXT: Calif., service provider.

(Photograph Omitted)

Captioned as: More than cost-cutting:

Northern States Power can **remotely track energy usage** without sending technicians to homes or offices, and it can access information from the meters for **billing** or whenever customers have questions about gas and electricity usage, says Charlie Smith, customer services...

**38/3,K/4 (Item 3 from file: 15)**

DIALOG(R)File 15:ABI/Inform(R)

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01527680 01-78668

**It's more than just turning off the lights**

Anonymous

Nation's Restaurant News v31n44 PP: C26-C28 Nov 3, 1997

ISSN: 0028-0518 JRNL CODE: NRN

WORD COUNT: 1136

...TEXT: and HVAC manufacturers.

Utility audits and analyses, metering software, computer-controlled heating and ventilation systems, **bill consolidation** with account information available via the Internet and **remote monitoring** are some of the technology, equipment or methods being **used** currently to corral and manage **energy** costs.

"You sometimes hear horror stories about the amount of energy waste that's discovered..."

**38/3,K/5 (Item 4 from file: 15)**

DIALOG(R)File 15:ABI/Inform(R)

(c) 2005 ProQuest Info&Learning. All rts. reserv.

01254719 99-04115

**SCADA and AMR look to the skies**

Rohr, John

Transmission & Distribution World v48n6 PP: 44-51 Jun 1996

ISSN: 1087-0849 JRNL CODE: TMD

WORD COUNT: 2159

...TEXT: new system, which delivers information in 4-8 sec, to keep an accurate account of **electricity used** by its customers and to control electrical equipment.

VSAT Monitoring Is Relatively New The concept of **using** VSATs for **remote monitoring** by **electric** utilities is relatively new. Within the last 10-15 years, though, more and more companies...

...and a centralized control center, a utility receives monitoring information that can be used for **billing** and maintenance check of the on-line system.

Because different remote locations come with a...

38/3,K/6 (Item 5 from file: 15)

DIALOG(R) File 15:ABI/Inform(R)

(c) 2005 ProQuest Info&Learning. All rts. reserv.

01027719 96-77112

**Meter reading for smaller customers in an open-access environment**

Anonymous

American Gas v77n4 PP: 40 May 1995

ISSN: 1043-0652 JRNL CODE: GAS

WORD COUNT: 730

...TEXT: PSE&G. will link utilities to their customers and provide automatic and remote meter reading; **remote** control and **monitoring** of **energy use** ; automated power-outage detection; and real-time control of energy-conservation devices. Promised in future offerings are customer-controlled load-management capabilities, customer-initiated "what if" **bill** calculations (also known as real-time pricing), appliance monitoring and security systems.

A pilot project...

38/3,K/7 (Item 6 from file: 15)

DIALOG(R) File 15:ABI/Inform(R)

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00953451 96-02844

**Broadband networking energizes California utility company**

Anonymous

Telecommunications (Americas Edition) v28n12 PP: 37 Dec 1994

ISSN: 0278-4831 JRNL CODE: TEC

WORD COUNT: 536

...TEXT: to the company's broadband network backbone, where they are then entered into a monthly **billing** application. This allows Southern California Edison to redeploy personnel to higher value jobs and to speed up its **billing** cycle. The broadband network also allows the company to offer new services that ere never before possible. Home **energy use** audits and **monitoring** are now handled **remotely** over the network. For those customers interested in the service, the company automatically monitors the...

38/3,K/8 (Item 1 from file: 16)

DIALOG(R) File 16:Gale Group PROMT(R)

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08321169 Supplier Number: 70356692 (USE FORMAT 7 FOR FULLTEXT)

**PECO Energy Plans \$150 Million Five-Year Strategic Investment; Projects Will Improve System Performance, Reliability.**

PR Newswire, p0899

Feb 12, 2001

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 586

... 5 million electric and 425,000 gas customers will be replaced or retrofitted to allow **energy usage** to be **tracked remotely**. AMR, as it is known, will ensure timely and accurate meter reading and customer **billing**, more accurate account transfers, outage and theft detection.

The outage management system replaces 20-year...

38/3,K/9 (Item 2 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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06720068 Supplier Number: 56248479 (USE FORMAT 7 FOR FULLTEXT)

**PECO Energy Finalizes Contract to Move to Automated Meter Reading; Its Electric & Gas Customers to Benefit From New Technology Commitment.**

PR Newswire, p5328

Oct 13, 1999

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 623

... years, meters for these electric and gas customers will be replaced or retrofitted to allow **energy usage** to be **tracked remotely**. PECO **Energy** said it must read more than 70,000 meters each day on a monthly basis. This shift can ensure timely meter reading, provide more accurate **billing** for customers, make account transfers easier, and eliminate the need for meter readers to visit...

38/3,K/10 (Item 3 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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06163150 Supplier Number: 53982762 (USE FORMAT 7 FOR FULLTEXT)

**Hyper-Efficient Companies -- Companies Turn To IT To Cut Time And Costs-And IT Departments Respond. (companies using web-based interfaces to provide employees, customers, suppliers and partners with direct access to their systems) (Internet/Web/Online Service Information)**

Caldwell, Bruce; Violino, Bob

InformationWeek, p40(1)

March 1, 1999

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Tabloid; General Trade

Word Count: 3079

... provided by Cellnet Data Systems, a San Carlos, Calif., service provider.

Northern States Power can **remotely track energy usage** without sending technicians to homes or offices, and it can access information from the meters for **billing** or whenever customers have questions about gas and electricity usage, says Charlie Smith, customer services...

38/3,K/11 (Item 4 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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06069788 Supplier Number: 53541958 (USE FORMAT 7 FOR FULLTEXT)

**TransData(R) Announces its MARK-V Series Commercial-Industrial Electricity Meter is available with the DCI Sentry Outage Detection and Reporting System.**

PR Newswire, p1306

Jan 11, 1999

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 455

... state electricity meter offering "Best-of-Class" features and functionality for commercial and industrial revenue **billing** applications. The MARK-V features user programmable systems for measuring energy consumption, **monitoring** power quality, AMR **remote** data retrieval and recording **energy usage** load profiles.

The DCI Sentry System is located under-glass and shares the telephone line...

**38/3,K/12 (Item 5 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)

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05736155 Supplier Number: 50215639 (USE FORMAT 7 FOR FULLTEXT)

**Shell to Sell Electricity and Gas**

SULLIVAN, C. C.

Energy User News, v23, n7, p1

July, 1998

Language: English Record Type: Fulltext

Article Type: Article

Document Type: Magazine/Journal; Tabloid; Trade

Word Count: 494

... national and regional companies to centralize their procurement of energy arid energy-related technology.

Metering, **billing**, and auditing of energy use can be standardized and automated across all facilities and locations, improving the decision-making process for energy users. Most significantly, the ability to **remotely monitor energy use** and capitalize on off-peak rates should also be greatly improved. energy experts claim.

The...

**38/3,K/13 (Item 6 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)

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03285579 Supplier Number: 44531048 (USE FORMAT 7 FOR FULLTEXT)

**Cable's Fiber/Coax Network Is Answer for Utilities**

Multichannel News, p49

March 21, 1994

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 1822

... way communications will finally reach their full potential. The availability of reliable communications between the **utility** and customer with his **energy - using** equipment will open doors to Real Time Metering, **remote monitoring** of appliances and introduction of new programs. The customer value will be more closely in...

...the costs. Studies have indicated that customers save about 13 percent from their monthly electricity **bills** by utilizing time-of-use rates and real-time pricing.

Second, the presence of two...

**38/3,K/14 (Item 7 from file: 16)**



DIALOG(R)File 16:Gale Group PROMT(R)  
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02415912 Supplier Number: 43179314 (USE FORMAT 7 FOR FULLTEXT)

**First Pacific Pushes Off Into International Waters**

Going Public the IPO Reporter, v16, n30, pN/A

July 27, 1992

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 536

... to a large number of users.

In addition, the technology offers the ability for electric utility companies to **remote - monitor** power usage and to activate and deactivate service and **bill** customers in the same manner as phone companies currently do.

Many companies are now working...

**38/3,K/15 (Item 1 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2005 The Gale Group. All rts. reserv.

07615683 SUPPLIER NUMBER: 16017597 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**A road map to broadband networking: network evolution within the utilities industry. (includes related article about broadband networking at Southern California Edison)**

Rane, Sham

Telecommunications, v28, n12, p33(4)

Dec, 1994

ISSN: 0278-4831

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 3239 LINE COUNT: 00266

... network also allows the company to offer new services that were never before possible. Home **energy use** audits and **monitoring** are now handled **remotely** over the network. For those customers interested in the service, the company automatically monitors the...

**38/3,K/16 (Item 2 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2005 The Gale Group. All rts. reserv.

07243083 SUPPLIER NUMBER: 15394431 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Cable's fiber/coax network is answer for utilities.**

Gupta, Pradeep; Limaye, Dilip

Multichannel News, v15, n12, p49(1)

March 21, 1994

ISSN: 0276-8593

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 1972 LINE COUNT: 00161

... the costs. Studies have indicated that customers save about 13 percent from their monthly electricity **bills** by utilizing time-of-use rates and real-time pricing.

Second, the presence of two...

**38/3,K/17 (Item 3 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2005 The Gale Group. All rts. reserv.

01756005 SUPPLIER NUMBER: 02668981 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Firms explain guaranteed, shared saving tally methods.**

Galvin, Cindy

Energy User News, v8, p1(2)

March 7, 1983

ISSN: 0162-9131 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 1103 LINE COUNT: 00085

... savings for their facilities would be determined.

Some firms rely on the user to provide **utility bills** to gauge **energy use**. Other suppliers are now **remotely monitoring** the users' facilities over phone lines. They say that such computerized monitoring provides a better record of **energy use**.

However, with both methods, users may be losing money if they do not alert the...

38/3,K/18 (Item 1 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2005 The Gale Group. All rts. reserv.

02636298 Supplier Number: 45337168 (USE FORMAT 7 FOR FULLTEXT)

**ISDN Communications Adaptor**

M2 Presswire, pN/A

Feb 15, 1995

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 457

... credit card authorisations, general data communications and provide communication links for site management and telephony.

**Energy** management facilities include **monitoring energy usage**, **remote electricity** meter reading for self **billing** and refrigeration unit control.

PICA will monitor all fire and security alarms remotely, taking 90...  
?

Set	Items	Description
S1	5374510	ENERGY OR UTILITY OR ELECTRIC? OR UTILITIES
S2	3440027	TRACK? OR MONITOR? OR TRACING
S3	1373060	RENTAL OR RENTING OR RENTED OR RENTS OR LEASE? ? OR LEASING
S4	10459184	USE OR USEAGE OR USAGE OR USING
S5	11799754	RATE? ? OR BILL??? OR CHARG? OR FEE OR FEES
S6	12539466	EQUIPMENT OR MERCHANDI? OR DEVICE? ? OR ELECTRONIC? ? OR G- ADGET? ? OR MACHINE? OR APPLIANCE?
S7	43791	S1(5N)S2
S8	4739	S3(5N)S5(5N)S4
S9	7	S7(2S)S8
S10	6	RD (unique items)
S11	223	S7(S)S3
S12	499530	BASED(5N) (S4 OR USED)
S13	6423	S12(5N)S1
S14	106896	S3(5N)S5
S15	3	S13(S)S14
S16	3	RD (unique items)
S17	74	S13(2S)S3
S18	59	S17 NOT PY>2001
S19	43	RD (unique items)

? show file

File 9:Business & Industry(R) Jul/1994-2005/Jul 27  
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File 275:Gale Group Computer DB(TM) 1983-2005/Jul 28  
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File 636:Gale Group Newsletter DB(TM) 1987-2005/Jul 27  
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9/3,K/1 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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01072079 \*\*Image available\*\*

**MONITORING USAGE OF ELECTRONIC EQUIPMENT**  
**SUIVI DE L'UTILISATION D'UN EQUIPEMENT ELECTRONIQUE**

Patent Applicant/Assignee:

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designated states except: US)

Patent Applicant/Inventor:

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, GB (Residence), GB (Nationality), (Designated only for: US)

Legal Representative:

SPAARGAREN Jerome (agent), Electronic Intellectual Property, Suite 308,  
The Foundry, 156 Blackfriars Road, London SE1 8EN, GB,

Patent and Priority Information (Country, Number, Date):

Patent: WO 2003102831 A1 20031211 (WO 03102831)

Application: WO 2003GB2360 20030530 (PCT/WO GB0302360)

Priority Application: GB 200212718 20020531; GB 20032081 20030129

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG  
SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE  
SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 7835

Fulltext Availability:

Detailed Description

Detailed Description

... monitoring and recording

usage of image projectors and providing access to statistics relating to  
such **usage** so that a **rental charge** is levied which accords with an  
amount of **usage** of an image projector. It is noted that usage  
monitoring systems have been proposed in...

...the introductory section, conventional dry hire charging systems are  
inherently inflexible, since a flat daily **rate** is applied, irrespective  
of actual **use** during the **rental** period. This arises from the fact  
that, with current image projectors-on hire, no usage...

...control unit 201 comprises a computer program, or a suite of computer  
programs, arranged to **monitor** the **utility** status of image projector  
10 and to store data indicative of the amount of time...

9/3,K/2 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00954951      \*\*Image available\*\*

**SYSTEM AND METHOD FOR AUTOMATING A VEHICLE RENTAL PROCESS**

**SYSTEME ET PROCEDE POUR AUTOMATISER UN PROCESSUS DE LOCATION DE VEHICULES**

Patent Applicant/Assignee:

ZOOP MOBILITY NETWORK INC, P.O. Box 37, Station Beaubien, Montreal,  
Quebec H2G 3C9, CA, CA (Residence), CA (Nationality)

Inventor(s):

MEUNIER Eric, 10334 Paul Comtois, no.308, Montreal, Quebec H4N 2B6, CA,

Legal Representative:

ROBIC (agent), 55, St-Jacques, Montreal, Quebec H2Y 3X2, CA,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200289077 A1 20021107 (WO 0289077)

Application: WO 2002CA648 20020501 (PCT/WO CA0200648)

Priority Application: CA 2345857 20010501

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI  
SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 26912

Fulltext Availability:

Detailed Description

Detailed Description

... as a verification procedure (21A). As will be seen further, such confirmation is helpful in **tracking** down **energy** -related fraud (e.g. fuel theft) and in providing a proof of the user's...on the communication system

I 0

As can be seen from Figure 14C, users may **use** the communication system within **rental** vehicles for their own personal **use** and be **billed** for it.

6 19 Electronic mail capability

5

As can be seen from Figure 8B...costs during the rental transaction  
As can be seen in Figure 15A, the OBU constantly **monitors** the distance, elapsed time, **energy** consumption and miscellaneous costs to constantly provide the user with real-time information on the...to refuel/energize  
As can be seen in Figures 15A and 18A, the OBU constantly **monitors** the **energy** level in the rental vehicle. In the case of a vehicle equipment where the energy...and time rental costs or, alternatively, measure the exact amount of energy used and separately **charge** for it. Thus enabling several users to **use** a **rental** vehicle for short distances without having to refuel said vehicle every single time.

In order...

9/3,K/3      (Item 3 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT  
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00915064      \*\*Image available\*\*

**SYSTEM AND METHOD FOR COMMUNICATION BETWEEN REMOTE LOCATIONS**  
**SYSTEME ET PROCEDE DE COMMUNICATION ENTRE DES SITES ELOIGNES**

Patent Applicant/Assignee:

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Inventor(s):

DAY Mark E, 6712 Holt Road, Nashville, TN 37211, US,

Legal Representative:

TAUFER Paul A (et al) (agent), Schnader Harrison Segal & Lewis, LLP,  
Suite 3600, 1600 Market Street, Philadelphia, PA 19103, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200249222 A2-A3 20020620 (WO 0249222)

Application: WO 2001US48254 20011214 (PCT/WO US0148254)

Priority Application: US 2000256390 20001215

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI  
SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 4516

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... BACKGROUND OF TBE INVENTION

1. Field of the Invention

The present invention relates generally to **utility monitoring** systems and more particularly to systems for communicating between remote locations.

2, Description of the Prior Art

Metering devices have for years been used in the **monitoring** of **utility** consumption, such as water, electricity, gas, to name a few. Utility providers have typically utilized...

...at the various locations of its customers, i.e., residences or businesses, in order to **monitor** the consumption of a given **utility**. The **utility** provider would **monitor** the **utility** consumption by reading the various metering devices at each of the customer locations. In recent...

...THE INVENTION

One aspect of the present invention discloses a system and method for a **utility** provider to **monitor** a plurality of metering devices from a remote location. For this purpose, the present invention...advantage of the communication system 10 in accordance with the present embodiment is that the **utility** provider can **monitor** the **utility** usage of a

customer from a remote location. For this purpose, a command can be...

- ...12 including an identifier for a particular metering device 16 designated as number " 1 " to **monitor utility** usage - Further, preferably the control means 12 correlates the metering device 16 designated as number...
- ...understood, the communication system of the present invention is not limited to use by a **utility** provider to **monitor utility** usage of its customers, rather the communication system of the present invention is applicable for...after the usage has occurred, and prepayment, which, as the name implies, requires payment before **usage** has taken place. The **billing** method preferably takes into account possible **rental charges**, credit reviews for late payments, and debt amortization in a predefined manner in a separate...

#### Claim

... peak use through TOU rate information, Real Time Pricing (RTP), headline/local news, financial quotes, **energy** information, home **monitoring** and appliance control.

4 The method of Claim 3, wherein said customer account and utility...

...peak use through TOU rate information, Real Time Pricing (RTP), headline/local news, financial quotes, **energy** information, home **monitoring** and 1 5 appliance control.

19 The system of Claim 18, wherein said customer account...

9/3,K/4 (Item 4 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00820481 \*\*Image available\*\*

#### PROTECTED ACCOUNTABLE PRIMARY FOCAL NODE INTERFACE

#### INTERFACE PROTEGEE RESPONSABILISEE SOUS FORME DE NOEUD FOCAL PRIMAIRE

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

WALKER Richard C, 15000 Hunters Harbor Lane, Waldorf, MD 20601, US, US  
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Legal Representative:

DONNER Irah H (et al) (agent), Hale and Dorr LLP, 1455 Pennsylvania Avenue, N.W., Washington, DC 20004, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200154044 A1 20010726 (WO 0154044)

Application: WO 2001US1645 20010119 (PCT/WO US0101645)

Priority Application: US 2000176818 20000119; US 2000200872 20000501

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CZ DE DK DM DZ EE ES FI  
GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MA  
MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ  
UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English  
Filing Language: English  
Fulltext Word Count: 69601

Fulltext Availability:  
Detailed Description

#### Detailed Description

... was designed to be an add on unit or after market device to collect a fee for use of a vehicle, e.g. rental cars, taxi cabs, buses, etc. Part 2B0 I is either a standard credit card, ID...monitored and ultimately remotely controlled, The car is receiving remote service and the house being monitored and for its energy use, all kinds of home management including in home automated nursing to reduce health care...

9/3,K/5 (Item 5 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00806392

TECHNOLOGY SHARING DURING ASSET MANAGEMENT AND ASSET TRACKING IN A NETWORK-BASED SUPPLY CHAIN ENVIRONMENT AND METHOD THEREOF  
PARTAGE TECHNOLOGIQUE LORS DE LA GESTION ET DU SUIVI DU PARC INFORMATIQUE DANS UN ENVIRONNEMENT DU TYPE CHAINE D'APPROVISIONNEMENT RESEAUTE, ET PROCEDE ASSOCIE

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US  
(Residence), US (Nationality)

Inventor(s):

MIKURAK Michael G, 108 Englewood Blvd., Hamilton, NJ 08610, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor, 2029 Century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139086 A2 20010531 (WO 0139086)

Application: WO 2000US32310 20001122 (PCT/WO US0032310)

Priority Application: US 99444653 19991122; US 99447623 19991122

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES  
FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA  
MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ  
UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 156214

Fulltext Availability:  
Detailed Description

#### Detailed Description

... for bi-directional real-time communication. While initially designed for use with an electric power utility, the invention is applicable in monitoring and controlling demand for other utilities such as gas or



water, as well as for data services.

36

A controlled load...

...utility customer's home and includes electrical control, monitoring, and measurement devices which allow the **utility** to **monitor** electrical consumption in real time, assist the customer in optimizing electrical power consumption, and communicate...

9/3,K/6 (Item 6 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00806389

SCHEDULING AND PLANNING BEFORE AND PROACTIVE MANAGEMENT DURING MAINTENANCE AND SERVICE IN A NETWORK-BASED SUPPLY CHAIN ENVIRONMENT  
PROGRAMMATION ET PLANIFICATION ANTICIPEE, ET GESTION PROACTIVE AU COURS DE LA MAINTENANCE ET DE L'ENTRETIEN D'UN ENVIRONNEMENT DU TYPE CHAINE D'APPROVISIONNEMENT RESEAUTE

Patent Applicant/Assignee:

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Inventor(s):

MIKURAK Michael G, 108 Englewood Boulevard, Hamilton, NJ 08610, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor, 2029 Century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139082 A2 20010531 (WO 0139082)

Application: WO 2000US32228 20001122 (PCT/WO US0032228)

Priority Application: US 99447625 19991122; US 99444889 19991122

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM  
HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX  
NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 152479

Fulltext Availability:

Detailed Description

Detailed Description

... generated during peak times is more expensive than "base-line" power.

For demand side management, **utility** companies will charge on a cost basis rather than an average use basis that has...

...for bi-directional real-time communication.

While initially designed for use with an electric power **utility**, the invention is applicable in **monitoring** and controlling demand for other **utilities** such as gas or water, as well as for data services.

A controlled load management...

...utility customer's home and includes electrical control, monitoring, and measurement devices which allow the **utility** to **monitor** electrical consumption in real time, assist the customer in optimizing electrical power consumption, and communicate...36 and 37 collectively illustrate the logic that a switch uses to determine when to **use** an expanded version of a record format. A call 3602 comes into a switch 1206...

9/3,K/7 (Item 7 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00806384

**NETWORK AND LIFE CYCLE ASSET MANAGEMENT IN AN E-COMMERCE ENVIRONMENT AND METHOD THEREOF**

**GESTION D'ACTIFS DURANT LE CYCLE DE VIE ET EN RESEAU DANS UN ENVIRONNEMENT DE COMMERCE ELECTRONIQUE ET PROCEDE ASSOCIE**

Patent Applicant/Assignee:

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(Residence), US (Nationality)

Inventor(s):

MIKURAK Michael G, 108 Englewood Blvd., Hamilton, NJ 08610, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor,  
2029 Century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139030 A2 20010531 (WO 0139030)

Application: WO 2000US32324 20001122 (PCT/WO US0032324)

Priority Application: US 99444775 19991122; US 99447621 19991122

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK DZ EE ES FI GB  
GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK  
MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN  
YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 171499

Fulltext Availability:

Detailed Description

Detailed Description

... for bi-directional real-time communication. While initially designed for use with an electric power **utility**, the invention is applicable in **monitoring** and controlling demand for other **utilities** such as gas or water, as well as for data services.

A controlled load management...

...utility customer's home and includes electrical control, monitoring, and measurement devices which allow the **utility** to **monitor** electrical

consumption in real time, assist the customer in optimizing electrical power consumption, and communicate...

...devices within the home network, and communicates information from the home network back to the utility central computer via the distribution system. The distribution network is configured in cells or small...can also be shared by multiple network customers. A network customer is an entity that leases network resources. In

90

step 4104, if the current switch determines that the trunk group... utilization can be low while costs are high. In other words, the calling party is charged for the duration of the call and for all of the time even if no...

9/3,K/8 (Item 8 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00806383

COLLABORATIVE CAPACITY PLANNING AND REVERSE INVENTORY MANAGEMENT DURING DEMAND AND SUPPLY PLANNING IN A NETWORK-BASED SUPPLY CHAIN ENVIRONMENT AND METHOD THEREOF

PLANIFICATION EN COLLABORATION DES CAPACITES ET GESTION ANTICIPEE DES STOCKS LORS DE LA PLANIFICATION DE L'OFFRE ET DE LA DEMANDE DANS UN ENVIRONNEMENT DE CHAINE D'APPROVISIONNEMENT FONDEE SUR LE RESEAU ET PROCEDE ASSOCIE

Patent Applicant/Assignee:

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Inventor(s):

MIKURAK Michael G, 108 Englewood Blvd., Hamilton, NJ 08610, US,

Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200139029 A2 20010531 (WO 0139029)

Application: WO 2000US32309 20001122 (PCT/WO US0032309)

Priority Application: US 99444655 19991122; US 99444886 19991122

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES  
FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA  
MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ  
UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 157840

Fulltext Availability:

Detailed Description

Detailed Description

... directional real-time communication.

1 5 While initially designed for use with an electric power **utility**, the invention is applicable in **monitoring** and controlling demand for other **utilities** such as gas or water, as well as for data services.

A controlled load management...

...utility customer's home and includes electrical control, monitoring, and measurement devices which allow the **utility** to **monitor** electrical consumption in real time, assist the customer in optimizing electrical power consumption, and communicate...

9/3,K/9 (Item 9 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00806382

METHOD FOR AFFORDING A MARKET SPACE INTERFACE BETWEEN A PLURALITY OF MANUFACTURERS AND SERVICE PROVIDERS AND INSTALLATION MANAGEMENT VIA A MARKET SPACE INTERFACE

PROCEDE DE MISE A DISPOSITION D'UNE INTERFACE D'ESPACE DE MARCHÉ ENTRE UNE PLURALITE DE FABRICANTS ET DES FOURNISSEURS DE SERVICES ET GESTION D'UNE INSTALLATION VIA UNE INTERFACE D'ESPACE DE MARCHÉ

Patent Applicant/Assignee:

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Inventor(s):

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Legal Representative:

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Page Mill Road, Palo Alto, CA 94304, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139028 A2 20010531 (WO 0139028)

Application: WO 2000US32308 20001122 (PCT/WO US0032308)

Priority Application: US 99444773 19991122; US 99444798 19991122

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV  
MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT  
TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 170977

Fulltext Availability:

Detailed Description

Detailed Description

... for bi-directional real-time communication. While initially designed for use with an electric power **utility**, the invention is applicable in **monitoring** and controlling demand for other **utilities** such as gas or water, as well as for data services.

A controlled load management...

...utility customer's home and includes electrical control, monitoring, and measurement devices which allow the **utility** to monitor electrical consumption in real time, assist the customer in optimizing electrical power consumption, and communicate...

9/3,K/10 (Item 10 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00764607 \*\*Image available\*\*  
**SECURE, ACCOUNTABLE, MODULAR AND PROGRAMMABLE SOFTWARE TRAC**  
**LOGICIEL TRAC PROGRAMMABLE, MODULAIRE, UTILISABLE ET SECURISE**  
Patent Applicant/Assignee:  
KLINE & WALKER LLC, 11201 Spur Wheel Lane, Potomac, MD 20854, US, US  
(Residence), US (Nationality), (For all designated states except: US)  
Patent Applicant/Inventor:  
WALKER Richard C, 15000 Hunters Harbor Lane, Waldorf, MD 20601, US, US  
(Residence), US (Nationality), (Designated only for: US)  
Legal Representative:  
DONNER Irah H (et al) (agent), Hale and Dorr LLP, Suite 1000, 1455  
Pennsylvania Avenue, Washington, DC 20004, US,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 200078057 A1 20001221 (WO 0078057)  
Application: WO 2000US16381 20000615 (PCT/WO US0016381)  
Priority Application: US 99139759 19990615; US 2000176818 20000119; US  
2000200872 20000501  
Designated States:  
(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)  
AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB  
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA  
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA  
UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 79017

Fulltext Availability:  
Detailed Description

Detailed Description

... was designed to be an add on unit or after market device to collect a **fee** for **use** of a vehicle, e.g., **rental** cars, Taxi Cabs, buses, etc. Part 301 is either a standard credit card, ID card...monitored and ultimately remotely controlled, The car is receiving remote service and the house being **monitored** and for it's **energy** use. The computer is a web access, the TV at 6 o'clock is mass...

9/3,K/11 (Item 11 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00761431  
**A SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR PROVIDING COMMERCE-RELATED**

**WEB APPLICATION SERVICES  
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE DESTINES A LA FOURNITURE DE  
SERVICES D'APPLICATION DANS LE WEB LIES AU COMMERCE**

Patent Applicant/Assignee:

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(Residence), US (Nationality)

Inventor(s):

GUHEEN Michael F, 2218 Mar East Street, Tiburon, CA 94920, US,  
MITCHELL James D, 3004 Alma, Manhattan Beach, CA 90266, US,  
BARRESE James J, 757 Pine Avenue, San Jose, CA 95125, US,

Legal Representative:

BRUESS Steven C (agent), Merchant & Gould P.C., P.O. Box 2903,  
Minneapolis, MN 55402-0903, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200073957 A2-A3 20001207 (WO 0073957)  
Application: WO 2000US14420 20000525 (PCT/WO US0014420)  
Priority Application: US 99321492 19990527

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY CA CH CN CR CU CZ  
CZ (utility model) DE DE (utility model) DK DK (utility model) DM DZ EE  
EE (utility model) ES FI FI (utility model) GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KR (utility model) KZ LC LK LR LS LT LU LV MA MD MG MK  
MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SK (utility model) SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 150171

Fulltext Availability:

Detailed Description

Detailed Description

... tools include capacity planning tools, performance management tools,  
license management tools, remote management tools, systems **monitoring**  
tools, scheduling tools, help desk tools, etc.. Some Enterprise  
Management tools even poll the event...

**9/3,K/12 (Item 12 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT

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00761424

**A SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR PHASE DELIVERY OF  
COMPONENTS OF A SYSTEM REQUIRED FOR IMPLEMENTATION OF TECHNOLOGY  
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE DESTINES A LA FOURNITURE PAR PHASES  
DE COMPOSANTS D'UN SYSTEME NECESSAIRES A L'APPLICATION D'UNE TECHNIQUE**

Patent Applicant/Assignee:

ACCENTURE LLP, 100 South Wacker Drive, Chicago, IL 60606, US, US  
(Residence), US (Nationality)

Inventor(s):

GUHEEN Michael F, 2218 Mar East Street, Tiburon, CA 94920, US,  
MITCHELL James D, 3004 Alma, Manhattan Beach, CA 90266, US,  
BARRESE James J, 757 Pine Avenue, San Jose, CA 95125, US,

Legal Representative:

BRUESS Steven C (agent), Merchant & Gould P.C., P.O. Box 2903,  
Minneapolis, MN 55402-0903, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200073930 A2 20001207 (WO 0073930)

Application: WO 2000US14458 20000524 (PCT/WO US0014458)

Priority Application: US 99321360 19990527

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY CA CH CN CR CU CZ  
CZ (utility model) DE DE (utility model) DK DK (utility model) DM DZ EE  
EE (utility model) ES FI FI (utility model) GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KR (utility model) KZ LC LK LR LS LT LU LV MA MD MG MK  
MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SK (utility model) SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 149456

Fulltext Availability:

Detailed Description

Detailed Description

... centralized management for networks of up to I 00 nodes.

Product features include the following.

**Monitoring** of events and network health for  
multiple local and remote environments  
Distribution of management data...

...such as

Tools transaction terminals, cash registers, kiosks and ATMs.

Product2 Management Console - Java-based **utility**

that provides views of servers on the network and applications on  
those servers. It allows...tools include capacity planning tools,  
performance management tools, license management tools, remote management  
tools, systems **monitoring** tools, scheduling tools, help desk tools,  
etc.. Some Enterprise Management tools even poll the event...

9/3,K/13 (Item 13 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00761423

A SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR EFFECTIVELY CONVEYING  
WHICH COMPONENTS OF A SYSTEM ARE REQUIRED FOR IMPLEMENTATION OF  
TECHNOLOGY

SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR L'ACHEMINEMENT EFFICACE DES  
COMPOSANTS D'UN SYSTEME NECESSAIRES A LA MISE EN PRATIQUE D'UNE  
TECHNOLOGIE

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Legal Representative:

BRUESS Steven C (agent), Merchant & Gould P.C., P.O. Box 2903,  
Minneapolis, MN 55402-0903, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200073929 A2 20001207 (WO 0073929)  
Application: WO 2000US14457 20000524 (PCT/WO US0014457)  
Priority Application: US 99321136 19990527

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY CA CH CN CR CU CZ  
CZ (utility model) DE DE (utility model) DK DK (utility model) DM DZ EE  
EE (utility model) ES FI FI (utility model) GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KR (utility model) KZ LC LK LR LS LT LU LV MA MD MG MK  
MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SK (utility model) SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 150133

9/3,K/14 (Item 14 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00761422

**BUSINESS ALLIANCE IDENTIFICATION**

**SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION POUR L'IDENTIFICATION D'ALLIANCES  
COMMERCIALES DANS UN CADRE D'ARCHITECTURE RESEAU**

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200073928 A2-A3 20001207 (WO 0073928)  
Application: WO 2000US14375 20000524 (PCT/WO US0014375)  
Priority Application: US 99320816 19990527

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES  
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU  
LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR  
TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW



(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 149371

Fulltext Availability:  
Detailed Description

Detailed Description  
... variety of formats.

Network Associates WebStalker-First  
Intrusion Detection- software that provides around-the  
clock **monitoring** and response to intrusions and misuse of  
a site and its files.  
Business2 SuiteSpot Server...

9/3,K/15 (Item 15 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00738373 \*\*Image available\*\*

**TRACKING AND MONITORING EQUIPMENT WITH SECURITY APPLICATIONS**  
**EQUIPEMENT DE SUIVI ET DE SURVEILLANCE POUR APPLICATIONS DE SECURITE**

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200051360 A1 20000831 (WO 0051360)

Application: WO 2000US4737 20000225 (PCT/WO US0004737)

Priority Application: US 99122108 19990226; US 99139759 19990615

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CZ DE DK DM EE ES FI GB GD  
GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MA MD MG  
MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US  
UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 68842

Fulltext Availability:  
Detailed Description

Detailed Description

... was designed to be an add on unit or after market device to collect a  
**fee** for **use** of a vehicle, e.g. **rental** cars, taxi cabs, buses, etc.  
Part 2130 I is either a standard credit card, ID...monitored and  
ultimately remotely controlled, The car is receiving remote service and

the house being **monitored** and for its **energy** use, all kinds of home management including in home automated nursing to reduce health care...

9/3,K/16 (Item 16 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00504945 \*\*Image available\*\*  
**AUTOMATED ACCOUNTING SYSTEM THAT VALUES, CONTROLS, RECORDS AND BILLS THE  
USES OF EQUIPMENT/VEHICLES FOR SOCIETY  
SYSTEME DE COMPTABILITE AUTOMATISE QUI EVALUE, VERIFIE, ENREGISTRE ET  
FACTURE LES UTILISATIONS DE MATERIEL ET/OU DE VEHICULES POUR UNE  
SOCIETE**

Patent Applicant/Assignee:

KLINE & WALKER LLC,  
WALKER Richard C,

Inventor(s):

WALKER Richard C,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9936297 A1 19990722

Application: WO 99US919 19990115 (PCT/WO US9900919)

Priority Application: US 9871392 19980115

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE GH GM HR  
HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO  
NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH GM  
KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI  
FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD  
TG

Publication Language: English

Fulltext Word Count: 56706

Fulltext Availability:

Detailed Description

Detailed Description

... environmental impact of fossil fueled equipment. And finally, even if they are dependent on nuclear **energy** or electrical service the **monitor**, control and recording system of the invention will be able to report to society...a retrofit to be used for court restricted drivers and also as a pay for use **billing** box for **renting** time and electronically customized services and for receiving payment from reading a magnetic credit card...agencies to assess infrastructure needs and use, along with interactive highway interfaces and Smart Cars;

**Energy Monitoring Agencies;**

Revenue Agencies that assess their taxing as to the operational uses of equipment or...monitored and ultimately remotely controlled, The car is receiving remote service and the house being **monitored** and for its **energy** use. The computer is a web access, the tv at 6 o'clock is mass... box was designed to be an add on unit or aftertnarket device to collect a **fee** for use of a vehicle, e.g. **rental** cars, Taxi Cabs, buses, ect. Part 301 is either a standard credit card, ID card...sensors and devices as well as address the future more sophisticated sensors and the different **monitoring** systems for future different **energy** sources and quantity of energy use.

Using this GM PCM connector presently as an example...when they are

coupled to the (MN4NVIWW) which is part of the inventions control and **monitoring** system that determines **energy** cost for equipment use, i.e., lights, heaters, etc.

1 5 Any deliberate securement of...

9/3,K/17 (Item 17 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00418748 \*\*Image available\*\*

SYSTEMS AND METHODS FOR SECURE TRANSACTION MANAGEMENT AND ELECTRONIC RIGHTS PROTECTION

SYSTEMES ET PROCEDES DE GESTION DE TRANSACTIONS SECURISEES ET DE PROTECTION DE DROITS ELECTRONIQUES

Patent Applicant/Assignee:

INTERTRUST TECHNOLOGIES CORP,

Inventor(s):

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SHEAR Victor H,  
SIBERT W Olin,  
SPAHN Francis J,  
VAN WIE David M,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9809209 A1 19980305

Application: WO 97US15243 19970829 (PCT/WO US9715243)

Priority Application: US 96706206 19960830

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU  
IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL  
PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH KE LS MW SD  
SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT  
LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 195626

Fulltext Availability:

Detailed Description

Detailed Description

... securely control, audit,  
and budget the use of, electronic information. It can reliably  
detect and **monitor** the use of commercial information products.

VDE uses a wide variety of different electronic information...other  
elements of the preferred embodiment of the present  
invention, uniquely supports efficient maintenance  
of **usage** history for: (a) **rental** , (b) flat **fee0** licensing  
- 70

based upon historical **usage** variables, and (d)  
reporting to users in a manner enabling users to  
determine whether a...

?

---

# **Southwestern Electric Co-op**

## **GeoLease Program**

### **Profile #1 20**

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<b>Cooperative Overview</b>	<b>3</b>
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<b>Ground Source Heat Pump Primer</b>	<b>5</b>
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Program Evolution; The GeoLease Program; GeoLease Customer Options; Marketing; The Step-By-Step Delivery Process; Measures Installed; Staffing Requirements	
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# Executive Summary

Southwestern Electric Cooperative (SWEC or the Co-op) is a small distribution company located in Illinois that like many other cooperatives has been losing market share for residential space heating to natural gas, a situation that has resulted in revenue loss for the Co-op. While gas is thermodynamically more efficient than resistance electric heating, SWEC devised a clever means of providing its members with a win-win solution by promoting ground source heat pumps, an even more efficient technology than gas from a source-BTU standpoint. By doing so, SWEC has been able to save its members money while maintaining its market share and thus revenue stream to keep its rates low and level of service high.

Ground source heat pumps tap a renewable energy form, the heat available in the earth. By compressing this previously unusable heat, heat pumps can provide low-cost heating without expending depletable energy forms like gas and oil. While heat pumps cost less to operate than systems that combust non-renewable resources, they do face a fundamental drawback today: high first cost. Despite their attractive lifecycle economics they have been underutilized because they typically cost \$2,000-5,000 more than a comparable conventional heating system. SWEC's GeoLease program addresses this head on, providing below-market loans for the heat exchange loops that are buried in the ground and leases for the "balance of plant."

GeoLease also has another strategic program design feature: In order for homes to qualify for the program's special electricity rates they must meet specific efficiency criteria. For instance, homes must have a minimum of R-38 insulation in ceilings. Qualifying customers' hot water heaters must also be part of the Co-op's radio-controlled load management program. By qualifying, the program assures homeowners that despite paying a higher electricity rate (which covers the cost of the lease) that they can have a positive cash flow compared to what they would have spent on an alternative system.

While SWEC has been promoting heat pumps since 1985, relatively few systems were installed between 1985 and 1993. In late 1993 the program design was fundamentally changed such that rather than providing \$1,000-2,000 rebates – reducing but not eliminating the first-cost barrier – SWEC refashioned its program so that participants no longer have to put any money down. This has created a dramatic surge in participation and a doubling of the program's effect. Now a 120-home subdivision within SWEC's service territory is being considered for the nation's first completely geothermally heated subdivision. By trenching and installing loops at the time of other excavation, the costs of the systems can be lowered further, making their application that much more attractive.

## SOUTHWESTERN ELECTRIC COOPERATIVE GeoLease Program

**Sector:** Residential; Commercial

**Measures:** Ground-source heat pumps along with pump pack, thermostat, auxiliary heater, hose kit, and loop; some air-source heat pumps

**Mechanism:** Co-op provides below-market interest leases for heat pump equipment and low interest loans for loops

**History:** From 1985-1993 Co-op provided customer rebates for ground-source heat pumps. Loop Lease program drawn-up but never implemented; GeoLease program implemented in September 1993

### COMPARISON TO ELECTRIC RESISTANCE

Lifecycle cost savings: \$17,993

Lifecycle energy savings: 229,631 kWh

Lifecycle BTU savings: 2,296,311,000

### DATA FOR 254 UNITS INSTALLED

Co-op revenues: \$18,158

Co-op costs: \$33,020

### CONVENTIONS

For the entire 1994 profile series all dollar values have been adjusted to 1990 U.S. dollar levels unless otherwise specified. Inflation and exchange rates were derived from the U.S. Department of Labor's Consumer Price Index and the U.S. Federal Reserve's foreign exchange rates.

The Results Center uses three conventions for presenting program savings. **ANNUAL SAVINGS** refer to the annualized value of increments of energy and capacity installed in a given year, or what might be best described as the first full-year effect of the measures installed in a given year. **CUMULATIVE SAVINGS** represent the savings in a given year for all measures installed to date. **LIFECYCLE SAVINGS** are calculated by multiplying the annual savings by the assumed average measure lifetime. **CAUTION:** cumulative and lifecycle savings are theoretical values that usually represent only the technical measure lifetimes and are not adjusted for attrition unless specifically stated.

# Cooperative Overview

Southwestern Electric Cooperative, Inc. (SWEC or the Co-op) serves 14,700 customers in Bond, Fayette, Madison, Effingham, Clinton, Shelby, Montgomery, St. Clair, Marion, and Macoupin counties in the southwestern region of Illinois. The Co-op is a transmission and distribution utility that has a service territory covering 1,700 square miles and has 65 full-time employees.

SWEC purchases wholesale power from Soyland Power Cooperative, a member-owned electric generation and transmission cooperative supplying wholesale electricity to 21 member distribution cooperatives. Soyland is one of more than 60 generation and transmission cooperatives that supply wholesale electric power to rural utilities in the United States. Soyland is a summer peaking utility with a peak demand of 570 MW and total 1994 energy sales of 2,596 GWh, largely generated by burning coal.

SWEC's transmission and distribution system includes a total of 3,099 miles of line consisting of 40 miles of transmission line, 2,668 miles of overhead distribution line, and 391 miles of underground distribution line supplied from 22 substations. SWEC's total annual purchases of energy for 1994 were 249,000 MWh with a June peak month coincident system of 57.58 MW. Gross revenues from energy sales in 1994 were \$25 million. [R#16]

Like many other cooperatively owned utilities, SWEC refers to its customers as "members" and in keeping with this uses the honor system for meter reading. To keep rates low, the Co-op requires each member to read his or her own meter on the first of the month and make remittances of the previous month's billing to the Co-op on or before the fifth of the month. In addition and also to keep power rates to a minimum, SWEC has engaged in demand-side management with the dual purpose of minimizing peak power demand (to keep its load profile flat) while boosting overall sales.

## SWEC 1994 ELECTRIC STATISTICS

<i>Number of Customers</i>	14,700
<i>Number of Employees</i>	65
<i>Electricity Sales</i>	249 GWh
<i>Electricity Sales Revenue</i>	\$25 million
<i>Summer Peak Demand</i>	57.58 MW
<b>Average Electric Rates</b>	
<i>Residential (&lt;2,000 kWh)</i>	10.85 ¢/kWh
<i>Residential (&gt;2,000 kWh)</i>	7.7 ¢/kWh
<i>High Efficiency Residential (&gt;1,000 kWh)</i>	4.4 ¢/kWh

SWEC has engaged in demand-side management in two ways: First, the utility has used its rate structures to flatten its load profile and thus assure the lowest cost, while most reliable power for its members. A variety of rates is offered by SWEC for its members. For instance, residential customers pay 10.70 ¢/kWh for their first 2,000 kWh of energy used and then 7.70 ¢/kWh for additional usage. A host of other rates are available including special rates intended to promote electric resistance heating as well as farm use of electricity. Members utilizing electricity exclusively or partially for the purpose of grain drying, for example, are eligible for a flat rate of 7.70 ¢/kWh during off-peak periods. A special high efficiency rate schedule is offered to members who meet standards set by SWEC. This rate is the same as the residential rate except in the winter when the cost for usage over 1,000 kWh/month drops to 4.4 ¢/kWh. To enable their access to this tariff, members can also receive up to a \$500 incentive (called Aid-to-Construction) when building a high-efficiency home. ☛

Second, the utility has engaged in a number of load management activities so that it can shed load at times of peak demand. SWEC's Water Heater program uses both radio-controlled and timer-controlled switches to turn off residential water heaters during peak periods. On the other hand, SWEC provides free electric water heaters to customers building new homes or converting their prior heaters from fossil fuel to electric to build electric load. Home appliances and equipment such as electric clothes dryers, electric water heaters, and electric central air conditioners also qualify for load control devices under the Co-op's Peak Load Reduction Radio program. Like the Water Heater program, members are rewarded with rebates and lower rates for using electricity during off-peak periods.

In the radio-controlled appliance program, special sensors at SWEC offices and substations detect when local electric use is approaching a peak level. At those times a radio signal is sent out that briefly shuts off the controlled appliances. Since the Co-op is summer peaking, cooling appliances are cycled on for 7.5 minutes and off for 15 minutes so that customer inconvenience is minimized. The member saves money thanks to a more favorable electric rate (5.70 ¢/kWh after the first 800

kWh) if the home is all electric, or the member receives a credit of \$12.50 per month for allowing the Co-op to control his or her electric central air conditioning for the months between June and September, a \$2.50 per month credit for control of an electric clothes dryer, and \$3.50 credit per month for control of an electric water heater. [R#17]

SWEC offers a host of energy services, or what the Co-op calls "support" services, to its members including energy audits, security lights, construction standards, the federally funded Low Income Home Energy Assistance Program (LIHEAP), providing individual "powerstats," and maintaining lists of qualified contractors in the Co-op's service territory and vicinity.

SWEC's most advanced energy services program is its GeoLease program, the subject of this Profile. GeoLease is very much in keeping with the Co-op's load building orientation coupled with its ongoing focus on the shape of its load profile. Through GeoLease, members are given the ability to purchase and lease geothermal heat pump equipment that otherwise would be too expensive to purchase but that results in attractive lifecycle economics for the customer while boosting off-peak sales and revenues for the Co-op.

# Ground Source Heat Pump Primer

Heat pumps come in many shapes and sizes and fulfill a variety of functions. All, however, have the common goal of shifting the balance of temperature between the conditioned space and the medium into which either excess hot or cold air is expelled. This medium can be the air, the water, or the ground. [R#3]

Heat pumps are attractive sources for heating because they tap essentially renewable energy resources. The energy required for heat pumps is extracted from energy in the earth or in water or air. While this energy is at a lower temperature than is useful, by compressing these heat sources using a standard refrigeration cycle, heat pumps "bump up" the heat value to useful levels. This is a fundamental difference between heat pumps and conventional furnaces or resistance heating systems which depend upon continual fuel inputs to provide heat through combustion. Heat pumps, on the other hand, only require energy to power compressors, an amount of power that is a fraction of the energy required by conventional heating systems.

Another distinct and fundamental advantage of heat pumps is that they can be operated in reverse, providing air conditioning in the summer and heating in the winter. As such, a heat pump system can take the place of conventional HVAC systems that often have independent heating and cooling components. And like furnaces that concurrently provide for domestic hot water needs, GSHPs are often tied in with water heating, reducing water heating costs. However, a hot water heater is needed in conjunction with a GSHP because the heat pump is unable to provide 100% of hot water requirements.

## A FOCUS ON GROUND SOURCE HEAT PUMPS

Ground source heat pumps (GSHPs), the thrust behind SWEC's GeoLease program, have been relatively unknown by the general public but in existence in a variety of applications for more than 30 years. Currently there are about 20 times more air source heat pumps sold than ground source units, but ground source sales and installations are predicted to grow by 25 percent annually because of several technical advances combined with a number of promotional efforts around the country such as the National Earth Comfort Program discussed below. [R#3]

Ground source heat pumps employ the same basic principle as both air and water source heat pumps. By using a closed loop containing a heat transfer medium, heat is extracted from the ground during the winter and deposited to the ground in the summer. Ground source units generally have slightly less than twice the heating efficiencies of air source units because the ground offers a higher and more stable source temperature than the outside air. Their main disadvantage is higher installation costs, since digging, trenching, or well drilling is required to connect the system to the earth. [R#3]

Many ground source heat pump systems save up to 50% of the energy used by conventional systems. Peak capacity savings are significant for ground source heat pump systems as well and thus of significant interest of cooperatives such as SWEC. Due to the low fluctuation of temperatures in the ground, GSHPs can be designed so as not to need electrical resistance heat backup heating even during the coldest days

<b>COST AND PAYBACK OF UPGRADE FROM RESISTANCE HEAT/AC TO HIGH EFFICIENCY GSHP</b>	<b>NEW YORK</b>	<b>BURLINGTON</b>	<b>CHICAGO</b>	<b>ATLANTA</b>	<b>PHOENIX</b>	<b>PORTLAND</b>	<b>AVERAGE</b>
<b>Vertical - COP 4.1</b>							
<b>Marginal Cost</b>	\$5,345	\$6,265	\$4,945	\$4,530	\$4,805	\$4,420	\$5,052
<b>Simple Payback (yrs.)</b>	2.9	3.4	5.4	10.8	6.0	8.8	6.2
<b>Slinky - COP 4.1</b>							
<b>Marginal Cost</b>	\$4,360	\$4,870	\$3,960	\$3,455	\$3,455	\$3,455	\$3,926
<b>Simple Payback (yrs.)</b>	2.3	2.7	4.4	4.3	4.3	6.9	4.8



of the year, however, most GSHP systems employed today do have backup heat. Since heat pumps operate at consistent levels they create a positive contribution to utilities' flat load profiles. In fact, winter peak loads may be reduced by as much as 66% over conventional electric resistance heating systems. [R#13]

The table on the previous page dealing with simple paybacks of upgrades shows the economics when GSHPs are used instead of resistance heating/air conditioning systems. The simple payback period for such a replacement depends heavily on the location, being 3-4 years in cold climates like New York and Vermont and exceeding 10 years in warmer locations like Oregon and Georgia.

### HEAT PUMP CONFIGURATIONS

The two most common types of geothermal systems are closed-loop and groundwater open-loop systems. In a closed-loop system a sealed loop of piping such as polybutylene or high density polyethylene is buried near the house and a small volume of water or antifreeze mixture is pumped through the loop to gather heat from the ground or to expel heat into the ground. In an open-loop system, water from a well or nearby surface source is pumped through the heat pump's heat exchanger and then discharged to the environment. [R#3]

There are several disadvantages to open loop systems including where to discharge the water, how to protect against changing water levels, and how to keep algae, dirt, and minerals from building up inside the heat exchanger components. Caution must be exercised with surface water in winter because at low temperatures the evaporator can freeze and break. Since closed-loop systems don't have these potential problems they are gaining in popularity. [R#3]

Three basic configurations for ground source closed loops are commonly used. Each system requires that a length of pipe be buried in the ground through which the water and antifreeze mix is circulated. For each ton capacity of the ground source heat pump system, approximately 175-200 feet of pipe is required although this varies by region due to local soil conditions and thermal characteristics. [R#13]

The horizontal loop configuration requires the largest amount of land area but installation costs are the least expensive. The required length of pipe is placed in a trench that loops through the land area four to six feet deep. Typical trench lengths are 400-600 feet per ton. Multiple pipes may be placed in each trench with backfill in between each pipe. By using multiple pipes in each trench, the necessary land area may be reduced by as much as 40%, however this method usually requires about 20% more pipe. (Note that there has been concern about "mining" the thermal aspect of the soil, causing some analysts to question whether or not geothermal heat pumps are truly tapping renewable resources or not.) [R#13]

A new type of horizontal loop called the "slinky" system has more recently been developed. This configuration requires less land area and shorter trench lengths than a traditional horizontal loop installation. The slinky system only requires a trench about six inches wide into which a coiled pipe of the required length is placed and backfilled. About twice the length of pipe is required for this configuration. However, trench lengths of 80-125 feet per ton are used, significantly less than a traditional horizontal loop system reducing digging costs which in rocky soils can be very expensive. [R#13]

The vertical loop is usually more expensive to install than a horizontal loop as this method requires drilling several bore holes about 5-6 inches in diameter into which the ground source pipes are inserted. The typical depth of the bore holes differs depending on the local geology. In Oklahoma, for example, depths of 200-250 feet are commonly necessary. Pipe installation becomes difficult at depths greater than 250 feet. The advantage of vertical loops is that they require far less land area than horizontal loop installations. [R#13]

The "alternating ground loop" configuration may be used with either horizontal or vertical loop installations and with loops of varying sizes. Developed by Geotech of Troy, New York, this system uses multiple independent loops which can be used alone or in combination with each other. As heat is exchanged, the soil temperature surrounding a ground loop may change. When soil temperature changes this configuration allows switching to a new loop where the soil temperature is stable and allowing the heat around the first loop to dissipate

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or replenish. In this way, operation of the ground source heat pump system is stabilized increasing efficiency and allowing for shorter pipe length requirements. [R#12,13]

### **THE NATIONAL EARTH COMFORT PROGRAM**

To exploit the rich opportunities that heat pumps present, the National Earth Comfort Program was developed. It founded the Geothermal Heat Pump Consortium (GHPC) in late 1994. The group, a collaborative effort sponsored by the electric utilities and industry with financial support from the electric utilities, the Department of Energy, and the EPA is headed by Dr. Paul C. Liepe, an experienced program manager and marketer from Atlantic Electric Company. The initiative is designed as a new program for the utility industry's Climate Challenge under the President's Climate Change Action Plan. [R#4]

The GHPC's challenge is straight-forward: to increase the installation rate of all kinds of geothermal systems from about 40,000 units per year to 400,000 units per year in the year 2000. This will reduce greenhouse gas emissions by 1.5 million metric tons of carbon dioxide annually and save over 300 trillion BTUs annually in 2001. Major thrusts of the program include first cost competitiveness through technology improvements and financing; infrastructure strengthening through training programs, software, and certification; and technology confidence building through national awareness programs. [R#4]

To overcome what its sponsors consider the most important barrier to the widespread adoption of ground source heat pumps, the National Earth Comfort initiative will develop innovative methods for financing the first-cost premium associated with GSHPs, examining methods such as leasing (as is the case with GeoLease – a flagship effort being carefully tracked by Earth Comfort), innovative rates, energy-efficient mortgages, shared savings, and other forms of incentives. Other tasks are to work to demonstrate means of reducing the cost and time involved with installing ground loops through improved drilling methods, equipment, procedure, sizing, and grouting of loops. Innovative and simple methods of including thermal storage integrated into GSHP systems will also be investigated.

The initiative will also undertake a range of activities to increase awareness of the benefits of GSHPs and build confidence in the technology. A chief method will be to engage in as many as twelve cost-shared regional marketing program demonstrations with selected utility partners. Other activities include developing model marketing programs; supporting standards development; and encouraging GSHPs through other Environmental Protection Agency, Department of Energy, and electric industry programs. The initiative will develop and implement informational programs to reach key customers, opinion leaders, trade allies, and educational institutions. [R#4]

Another key aspect is infrastructure strengthening to increase GSHP sales. This can be accomplished in a number of ways. Regulatory changes may be needed to ensure appropriate protection of the below-ground environment. Dealer and installer training and possibly certification are needed to ensure quality installations. Design tools and sizing standards are also needed, and in some cases model state legislation or regulation may be needed to empower utilities to take an active role. [R#4]

At the time of this writing the Consortium has been legally formed as a non-profit corporation. Over 70 electric utilities are now committed to participate and the U.S. DOE has made a major commitment to the Earth Comfort program.

# Program Design and Delivery

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Geothermal systems are the most efficient technology on the market today to provide heating, cooling, and hot water for low-cost comfort. However, not everyone can afford the high up-front cost of geothermal installations. Southwestern Electric Cooperative's (SWEC) GeoLease program addresses the most fundamental barrier to the use of heat pumps – first cost – and has developed a program in which participants need no up-front capital to take advantage of the technology and its attractive lifecycle costs and environmental savings.

## PROGRAM EVOLUTION

For many years SWEC, like other cooperatives around the country, had been promoting ground source heat pumps without much success. From 1985 to September 1993 SWEC installed a total of only 154 ground-source heat pumps through its GSHP Customer Rebate program, less than 20 each year. The program's incentive varied from \$1,000-2,000 and generally only those customers with an appropriate reserve of cash – not to mention awareness – installed GSHP units. An entire GSHP system, including the heat pump, loop, duct work, and accompanying equipment, costs around \$9,000 for three tons (roughly \$3,000/ton), approximately the amount of cooling required for a 2,500-3,500 square foot home. For a comparably sized home and system, a standard gas furnace plus air conditioners costs around \$4,500, roughly half as much. Simply put, the GSHP rebate offered by SWEC was not a large enough fraction of the \$4,500 extra needed to assist all but a few members in purchasing a GSHP. Consequently, the market share in SWEC's service territory suffered as the natural gas industry aggressively marketed to SWEC's members. Additionally, from the utility's perspective the rebate program was neither cost effective in the short nor mid-term planning horizons. [R#5]

To make GSHPs accessible to as many people as possible, SWEC officials realized that something had to change. The first cost barrier was retarding the adoption of the technology, not to mention the market transformation that SWEC officials envisioned. They imagined that the HVAC contractor industry would become the champions of the technology themselves, even providing financing for such systems in the long term. It was SWEC's job, they thought, to stimulate the market for such a fundamental change.

SWEC addressed the challenge head-on, devising a mechanism whereby the first cost barrier was completely taken out of the equation via a leasing mechanism. SWEC officials realized that leasing was becoming highly attractive to American con-

sumers. In fact the movement toward leasing has been a major national trend. Evidence from the auto industry, for example, has clearly shown that consumers are willing to lease products they would not otherwise be able to buy. Automotive leasing has become the dominant means by which consumers are now "purchasing" cars. Currently 62% of luxury cars, 27% of mid-sized cars, and 21% of compact cars are leased.

The idea was simple: The Cooperative would lease a loop, which includes all piping equipment and its installation costs, to any customer who installed a geothermal heat pump system, regardless of whether or not he was a member of the Co-op. (Staff envisioned that ultimately the leasing program could become not only a means to maintain market share and thus support revenues, but also could become a profit center for the Co-op by installing GSHP systems in other service territories!) While the proposed program was indeed a finance program, the utility had planned to promote it as a maintenance-free service program that would provide hassle-free and guaranteed heat and cooling to members at low cost while simultaneously increasing all parties' confidence in the technology.

Loop Lease, however, was never placed on the market because of a significant program design constraint. Leased equipment is fundamentally bound by an obligation to serve as collateral in the event of a default. SWEC's lawyers determined that the way Loop Lease was designed was counter to this basic principle and legal aspect of leasing. SWEC would not have been able to legally retain ownership of the leased piping equipment if a member moved or terminated participation in the program because once the loop was installed in the ground around a home, it then legally became part of that home. Functionally, the utility would have had little leverage in the event of a default as it would likely cost more to dig up a loop than the value of the reclaimed loop itself! Thus the design was fundamentally flawed and SWEC's program designers found themselves back at the drawing board.

## THE GEOLEASE PROGRAM

To solve the problem with the Loop Lease program, SWEC developed the GeoLease program which was launched in September 1993. The GeoLease program was designed to increase market share of customers' use of electricity for heating, increase revenues to the Co-op, save energy for Co-op members, compete with alternative fuels, lower the entry cost of geothermal systems, and further develop energy services for the Co-op's membership. The program was also designed to

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usher SWEC into a period of enhanced energy services and potential profitability from selling efficiency as well as energy.

The fundamental difference between the GeoLease and the proposed Loop Lease program is that in the GeoLease a qualified participant must purchase the nonredeemable loop and then may lease the heat pump equipment. This way, if the member decides to move or defaults on the lease, the heat pump equipment – which is physically located in the home – may be recouped. And to overcome the first cost barrier associated with the loop and its installation, loans would be available to qualifying members for the purchase of the loop. Thus no capital outlay is required of participants in the GeoLease program.[R#2,5]

Note also that while the thrust of the GeoLease program has been to promote ground source heat pumps – what SWEC officials consider the most appropriate types of heat pumps in their service territory – customers can elect to lease and finance (and of course purchase) water source and air source systems through the program as well. To date this has been done in isolated instances with the vast majority of the installations being ground source heat pumps. Members who elect to install air source heat pumps, however, are eligible for 10-year lease periods instead of the 17-year leases made possible for ground source heat pumps.

### GEOLEASE CUSTOMER OPTIONS

Qualifying Co-op members have several options for acquiring a GSHP system. They may employ the lease mechanism, apply for an Energy Resource Conservation (ERC) loan, purchase the equipment outright, or use a combination of these. Typically members who participate in the GeoLease program apply for an ERC loan to finance the purchase of the loop (which generally costs \$2,500-3,500) and then lease the rest of the associated equipment. Thus for no money down, the customer avoids an up-front cash payment for both air conditioning and heating systems with a combined cost upwards of \$5,000, while preparing for a long and happy history of lower utility bills!

**The Lease Option:** One of GeoLease's most attractive elements is its below-market rate lease mechanism. To qualify for a lease with a 5% interest rate a member's home must first meet a set of rather stringent efficiency standards. According to Perry Cochran, Chief Engineer at Southwestern Electric Cooperative, "It only wastes energy to install a geothermal system in an inefficient, unweatherized home. In such a scenario,

the Co-op would make more money off the customer, but the customer simply would be wasting money and resources." Therefore, the Co-op has set minimum efficiency requirements for residential customers in order to qualify for a lease. The efficiency requirements include:

- minimum insulation levels for ceilings and attics of R-38, walls R-15, and floors R-19;
- a vapor barrier made of polyethylene;
- metal doors insulated with a urethane core of R-13.5 or polystyrene core of R-7.5;
- double pane, low-E windows;
- certification by an Air Conditioning and Refrigeration Institute (ARI) 330 rating for a closed loop system and ARI 320 for an open loop system;
- hot water heaters 50 gallons or larger must be controlled by the Co-op;
- air source heat pumps must have a minimum Energy Efficiency Ratio (EER) of 10.0;
- water source heat pumps must have a minimum EER of 11.0 at 95°F and 2.9 Coefficient of Performance (COP) at 35°F.

Once the member has qualified for the leasing plan under the high efficiency home status, SWEC purchases the GSHP equipment at wholesale cost and leases it to the customer, recouping the wholesale cost plus interest over time. The customer pays for the equipment with a monthly leasing charge embedded in electricity rates of 10.70 ¢/kWh for the first 1,000 kWh or 2,000 kWh per month depending upon whether it is winter or summer. (The greater threshold in the summer reflects the Co-op's higher-cost summer peak energy purchases.) All additional usage then costs 7.78 ¢/kWh. This latter rate is 3.38 ¢/kWh more than SWEC's High Efficiency electricity tariff, reflecting the lease payments. The energy charge also covers the cost for an annual maintenance visit, which normally costs about \$40, to ensure that all GSHP systems installed through the program are operating at their maximum efficiencies. The rate is built into the electric bill for a maximum term of 17 years with the utility maintaining ownership of the heat pump equipment until the payments are completed. Therefore, if the resident leaves the home during this time, they are not obligated to continue payments.[R#7]

## Program Design and Delivery (continued)

Another option for members who don't qualify as owners of high efficiency homes – and who thus are not able to receive the leases – is a short-term higher interest lease for geothermal heat pump systems. Under this option, leases are available with five-year terms at 7% interest with no early payoff penalty.

**Energy Resource Conservation loans:** ERC loans serve an essential purpose within the GeoLease program since they provide members who qualify for a lease a means of financing the initial cost of a loop. This function is critical because through a combination of lease and loan the GeoLease participant does not have to provide any capital outlay to acquire a GSHP system.

Another feature of the GeoLease program is that SWEC has been instrumental in working with local lenders so that members can combine their home mortgages with ERC loans. By doing so, members can simply "roll" the cost of efficiency upgrades into their routine mortgage payments. In the future, members that are GeoLease participants and whose new homes qualify for Fannie Mae loans may qualify for energy-efficient mortgages (EEMs) at lower interest rates. (For more information on EEMs see The Results Center Profile #90, Energy Rated Homes of America, Uniform Energy Rating System)

ERC loans are also available for those members whose homes don't qualify as high efficiency and thus do not qualify for leases under the GeoLease program. These loans of up to \$6,000 at a 5% interest rate finance the cost of prescriptive energy conservation measures in all-electric residential structures over a period of five years. A variety of approved energy-saving devices and systems are eligible for such loans including air source heat pumps, electric thermal storage, control devices, central heating and central air conditioning system replacements, and weatherization measures. [R#15]

A Co-op representative approves an ERC loan only if he is satisfied that the proposed energy conservation measures meet reasonable installation, material, and performance standards and will be cost effective. For these members, the Co-op bills them for the periodic payments on the ERC loan at the same time it bills for the electric service although the loan amount, unlike the lease fee, is not included on the customer's kWh charge.

**The Direct Purchase Option:** Naturally members may elect to utilize the utility's services regarding GSHP analysis, specification, and contractor certification, but then choose to pur-

chase their GSHP outright or as part of their normal home construction or renovation costs. These members can, however, still take advantage of the special high efficiency electricity tariff as long as their home meets high efficiency specifications.

**Other program incentives:** In addition to leases, loans, and preferential rates, the Co-op as well as Soyland Power Cooperative, provide other direct incentives for ground source heat pumps and other equipment. For new construction the Co-op provides an Aid-to-Construction rebate up to a maximum of \$500 for homes that meet the high-efficiency terms and conditions. Soyland also provides a \$500 cash rebate to members who install geothermal systems. [R#15]

## MARKETING

Marketing the GeoLease program has been an especially important aspect of the program's success since most Co-op members simply didn't know what a ground source heat pump was prior to the program. Furthermore, it has been SWEC's challenge to disseminate information that educates not only its members but also contractors and relevant state agencies. Staff have accomplished this through a number of means including member newsletters; presentations at trade meetings; promotional pieces that have been presented to local government agencies, manufacturers, contractors, and members; and perhaps most importantly through persistent word-of-mouth and one-on-one customer interactions. Gary Wobler, SWEC's General Manager, has been an important outspoken advocate of the technology and GeoLease program. As discussed in the Savings section, getting the word out on the GeoLease program has successfully increased its participation from 154 over the course of seven years to over 100 in two years.

The lease system also has several basic marketing advantages that make it very attractive to customers. First, evidence from the auto and other industries shows that consumers are more than willing to lease products they would not otherwise be able to buy. Second, market research suggests that many if not most utility customers believe their electric utility should sell heating and cooling equipment. Trust between an electricity provider and a customer is easily forged when proper sales and services are provided. Third, maintenance, a main concern of customers and often a barrier to GSHP purchases, is bundled into the package and perceived to be free. Fourth, embedding the lease charges in the kWh charge removes the need for yet another monthly payment which can dissuade members from participating in a program. [R#5]

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## THE STEP-BY-STEP DELIVERY PROCESS

**Site visit and preliminary analysis:** Once a customer inquires about the GeoLease program, an employee from Southwestern Electric's Technical Services Department visits the home to perform a heat loss/gain evaluation of the member's home to figure the heating and cooling needs of a home. If it is a new home construction he or she obtains a set of blueprints to perform the analysis. SWEC evaluates which options are most cost-effective for the member. The SWEC representative also takes this time to further educate and explain the GeoLease program and GSHP technologies. This preliminary evaluation and education process usually takes a few hours.

**Detailed heat loss and benefit/cost analysis:** The information gathered at the site, coupled with the initial analysis of customer options, is then turned over to SWEC's computer technician who inputs the square footage, insulation values, window and door types, and other pertinent information into a specially programmed piece of computer software designed for heat loss/heat gain calculations. From this information, it is determined what size unit is required and how much operating costs will be, based upon different rates available to the member. The member also is explained the pros and cons of the GSHP system when compared to an air source heat pump unit and electric heat, gas heat, propane, and oil-based systems.

**Members are provided analysis results:** Based on the information gathered and analyzed in the previous steps, SWEC provides an information and options sheet in booklet form to show members their costs and options in purchasing the geothermal equipment. At this time the member is given names of contractors whom they can contact to obtain installation bids. These contractors already work in conjunction with SWEC since the Co-op requires all contractors installing GSHP equipment to be certified through the International Ground Source Heat Pump Association before they are allowed to be involved in the GeoLease program.[R#16]

**Members solicit bids from contractors:** At this point the member contacts the contractors from which they wish to entertain bids for the installation of the system. When the member informs the contractor that they are interested in the program, the contractor in turn contacts SWEC to obtain technical information in order to give the member a qualified bid.

**Contractors install the equipment and loop:** Once the member has chosen a contractor to perform the work, the

member contacts SWEC to arrange for all necessary equipment and paperwork to be completed.

Under the GeoLease program plans, the Co-op leases only the heat pump unit to the member. The contractors bidding for the job call SWEC to obtain technical information and loop design specifications. Once a contractor is chosen, the installation is scheduled between the member and the contractor.[R#2]

**Post-installation inspection conducted by SWEC:** When the system is completely installed, the member calls SWEC to perform a system analysis check to ensure that the system is performing to design specifications.

**Provisions established for ongoing maintenance:** All repairs are made by qualified contractors as per the customer agreement. This agreement warrants all repairs and labor for a "dig-in" or to repair leaks in the loop and manifold to the point of entry to the home. Once each year a contractor representative visits each installation and performs a system analysis check to ensure that the system is performing to design specifications.

## MEASURES INSTALLED

The leased heat pump system consists of the heat pump unit itself; a pump pack which transfers fluid from the ground through the system; a thermostat for temperature control; an auxiliary heater for times of extreme cold or pump failure; and a hose kit that connects the pump to the heater.[R#12]

## STAFFING REQUIREMENTS

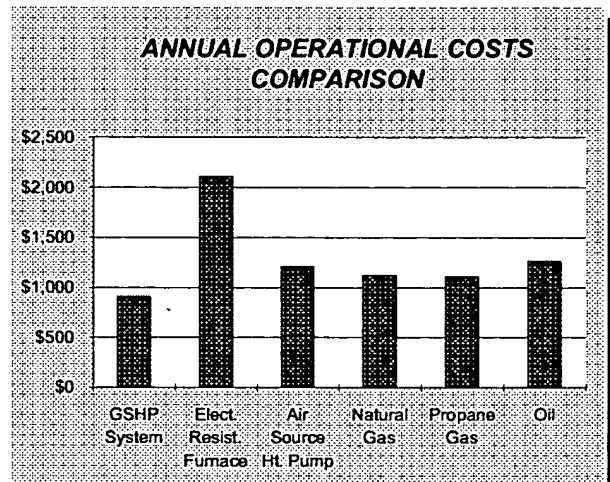
A total of less than half a full-time equivalent staff person (0.4 FTE) is devoted to the GeoLease program. Marla Pourchot, Assistant Director of Marketing and Member Services, spends more of her time with the program than any other staff, devoting approximately 30% of her time to the program. She implements and administers the program, providing marketing and promotions for the program as well as taking care of it on a daily basis. Gary Wobler, General Manager of SWEC and the driving force behind the program, also devotes some time to the program, working with Perry Cochran, SWEC's Chief Engineer, to continually refine the program's design.[R#12]

# Program Savings

TYPICAL HOME ANNUAL COST COMPARISON	HEATING	COOLING	HOT WATER	TOTAL	DIFFERENCE FROM GSHP	LIFECYCLE DIFFERENCE FROM GSHP
<b>GSHP System</b>	\$408	\$249	\$258	\$915	\$0	\$0
<b>Elect. Resist. Furnace</b>	\$1,412	\$312	\$390	\$2,114	\$1,200	\$17,993
<b>Air Source Ht. Pump</b>	\$509	\$312	\$390	\$1,211	\$296	\$4,446
<b>Natural Gas</b>	\$619	\$312	\$190	\$1,121	\$206	\$3,096
<b>Propane Gas</b>	\$609	\$312	\$188	\$1,109	\$194	\$2,916
<b>Oil</b>	\$731	\$312	\$225	\$1,268	\$353	\$5,301

**DATA ALERT:** Savings are presented based on a typical home that requires a three-ton cooling system. Power plant losses are accounted for in the source-BTU savings analysis while transmission and distribution losses for both electric and fossil heating systems are not. For more detailed information on region-specific variations and opportunities, see the EPA's report "Space Conditioning: The Next Frontier" [R#13]

The GeoLease program was not designed to conserve electricity. Instead, it is a program that is intended to increase market share of a technology that uses electricity wisely for the benefit of its customers and the Co-op alike. By efficiently using electricity to tap a renewable resource not only can the Co-op demonstrate responsibility when comparing various heating



TYPICAL HOME ANNUAL ENERGY USAGE COMPARISON	HEATING	COOLING (kWh)	HOT WATER	TOTAL	DIFFERENCE FROM GSHP	LIFECYCLE DIFFERENCE FROM GSHP
<b>GSHP System (kWh)</b>	5,239	2,767	3,316	11,322	0	0
<b>Elect. Resist. Furnace (kWh)</b>	18,151	3,467	5,013	26,630	15,309	229,631
<b>Air Source Heat Pump (kWh)</b>	6,542	3,467	5,013	15,022	3,700	55,504
<b>Natural Gas (therms)</b>	1,125	3,467	345			
<b>Propane Gas (gallons)</b>	937	3,467	289			
<b>Oil (gallons)</b>	975	3,467	300			

and cooling schemes from a source-BTU standpoint (a view that considers the energy costs of electricity all the way back to the power plant), but it can save its customers money through off-peak sales that in turn generate revenues for the Co-op.

SWEC staff have calculated the annual cost of various heating systems for a typical home that requires three-tons of heating or cooling. By using a ground source heat pump the annual cost for heating, cooling, and to produce domestic hot water using a desuperheater water heater is \$915 versus \$1,121 for natural gas and \$2,114 for electric resistance heating. When simply comparing the kilowatt-hours required for a GSHP application versus electric resistance heat (and cooling and hot water heating), the GSHP-conditioned home requires 11,322 kWh versus 26,630 kWh for the electric resistance heating, only 42% as much, a major energy savings.

When comparing various heating systems based on the source-BTUs required, an analysis that considers the amount of energy lost when electricity is generated at the power plant, the ground source heat pump is clearly the most environmentally attractive alternative. For the typical home the ground source heat pump requires 113 million BTUs annually compared to 182 million BTUs for natural gas, what has been the most popular choice. Air source heat pumps consume 150 million BTUs annually while electric resistance heating requires some 266 million BTUs annually, fully 153 million BTUs more than the GSHP alternative. Note that the table suggests far lower consumption for propane because it is modeled after

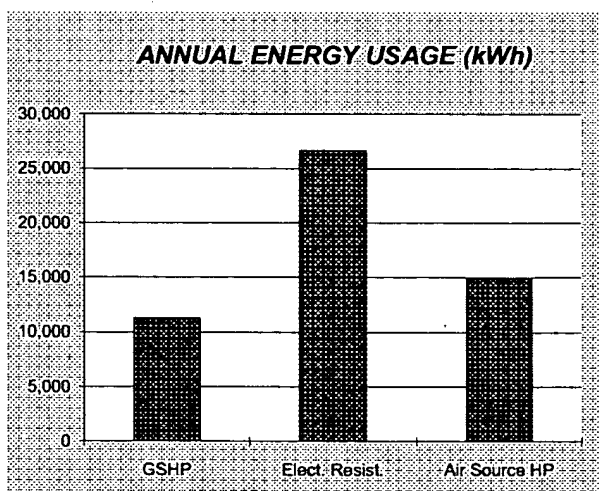
homeowners who use less propane as a result of far higher fuel costs and price elasticity.

## PARTICIPATION RATES

The high first cost and concern for the reliability and longevity of geothermal heat pump equipment has retarded market penetration. GeoLease was designed to address these issues and increase saturation. Builder and consumer acceptance of the GeoLease has improved with approximately 100 members signed up since its introduction in early Spring of 1993. This compares with 154 geothermal systems installed on Co-op lines from 1985 through 1992. All told, SWEC has installed 254 geothermal systems in its service territory of 14,000 customers representing 1.8% of all residential customers and a much higher fraction of the market for new construction although SWEC does not know what market share the GSHP systems currently fulfill. [R#8]

Planned participation includes one subdivision with a total of 120 homes to be built by Greg Grinter Development, a local developer. This innovative approach to installing geothermal

GSHPs INSTALLED	PARTICIPANTS
1985-1992	154
1993-1994	100



systems may produce the country's first all geothermal subdivision. Due to a joint venture between the developer and SWEC, the normally high up-front costs for the geothermal systems was much lower. The developer made GSHPs part of the deal of purchasing a new home, which ensures that even if some of the homes are sold, the GSHPs will stay in the ground. [R#5.9]

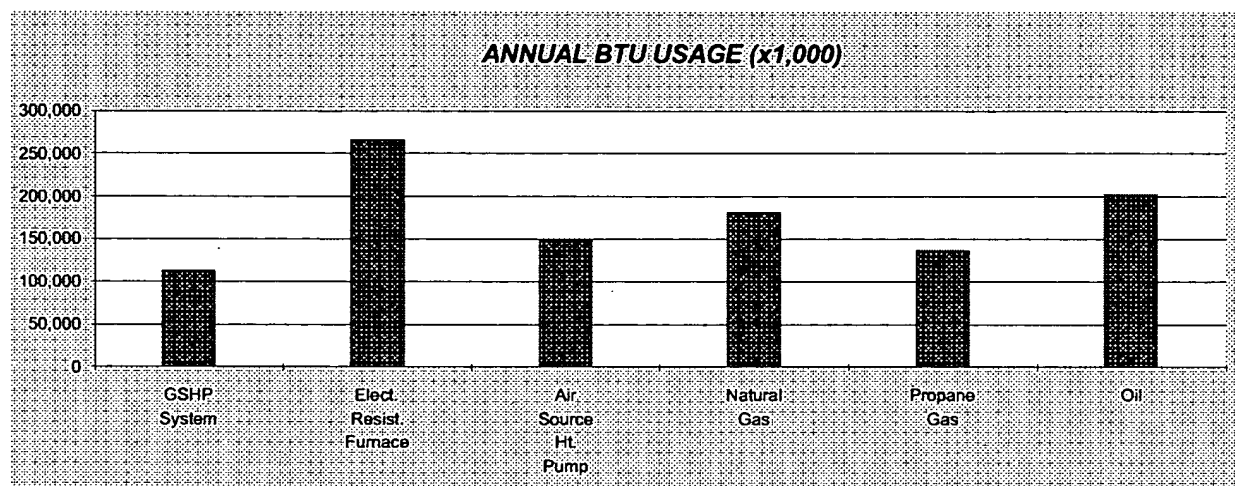
## PROJECTED SAVINGS

While the average life of the loop for a GSHP is 50 years – in fact most suppliers provide a 50-year guarantee on the loop piping itself – the heat pump equipment in the home lasts roughly 25 years. Note that for cost and savings calculations in this Profile, a measure life of 15 years is used. Using a conserva-



## Program Savings (continued)

TYPICAL HOME ANNUAL SOURCE-BTU COMPARISON (x1,000 BTU)	HEATING	COOLING	HOT WATER	TOTAL	DIFFERENCE FROM GSHP	LIFECYCLE DIFFERENCE FROM GSHP
<b>GSHP System</b>	52,388	27,667	33,162	113,217	0	0
<b>Elect. Resist. Furnace</b>	181,509	34,667	50,129	266,304	153,087	2,296,311
<b>Air Source Ht. Pump</b>	65,424	34,667	50,129	150,219	37,003	555,039
<b>Natural Gas</b>	112,545	34,667	34,545	181,758	68,541	1,028,112
<b>Propane Gas</b>	78,233	34,667	24,151	137,051	23,834	357,506
<b>Oil</b>	128,461	34,667	39,540	202,668	89,451	1,341,764



tively estimated fifteen-year average measure life, The Results Center has calculated the energy savings resulting from the installation of one GSHP over its measure life compared to natural gas heating to be fully a billion BTUs and 2.3 billion BTUs when compared to electric resistance heating. Thus the GeoLease program, assuming that every installation will substi-

tute for natural gas heating, will save 254 billion BTUs of energy over the life of the units installed. When compared to electric resistance heating the lifecycle savings jump to well over a half trillion BTUs of energy savings! Looking exclusively at electricity savings when compared to resistance heating, a ground source heat pump results in annual savings of 230 MWh.

# Cost of the Program

<b>COST AND REVENUE COMPARISON PER UNIT</b>	<b>AIR-TO-AIR HP</b>	<b>GSHP</b>	<b>DIFFERENCE</b>
<b>Gross Revenue</b>	\$566.55	\$378.99	\$187.56
<b>Marginal Cost</b>	\$426.92	\$307.51	\$119.41
<b>Net Annual Revenue</b>	\$139.63	\$71.48	\$68.15
<b>Net Revenue (15-yr. @5%)</b>	\$1,449.32	\$742.00	\$707.32

**DATA ALERT:** Cost savings are based upon the following price figures: 55 ¢/therm for natural gas, 65 ¢/gallon for propane, 75 ¢/gallon for oil, 7.70 ¢/kWh for electric heating, 9.0 ¢/kWh for electric cooling, and 7.78 ¢/kWh for electric hot water. These rates include the add-on associated with the high efficiency lease rate.

## THE UTILITY COST PERSPECTIVE

Given the utility's loss of heating market share to natural gas heating, the GeoLease program can essentially be viewed as a marketing strategy to promote wise electricity use through ground source heat pumps. While it is true that heat pumps use less electricity than resistance heating – and the utility will therefore experience some revenue loss in some cases – SWEC recognizes the need to build a lasting relationship with its customers to retain them and to satisfy their needs through the highly efficient use of electricity.

In order to maintain and build heating market share, SWEC has had to incur several costs including 1) the costs to administer the GeoLease program, 2) a share of the costs of the ERC loan program, 3) the costs of providing below-market rates for

loans, 4) the costs of providing below-market rates for leases, and 5) the costs of collecting lease payments from customers for up to 17-year terms. The latter four of these costs, unfortunately, are unavailable from SWEC as they have not yet been analyzed and computed by staff there.

The costs to administer the GeoLease program, however, are worthy of examination. According to SWEC program officials, all facets to administer the GeoLease program combine to require roughly four hours of staff time per home. This includes the audit and analysis time and the time it takes to provide detailed explanations and answers to members' questions. This four-hour period is valued at \$65 by the Co-op. Then an average "overhead" cost of an additional \$65 per home is added. Thus SWEC estimates that the total participant administrative cost for each home is \$130, equivalent to just over \$33,000 (\$33,020) for all 254 program participants to date. This can be easily compared to the \$18,158 in annual revenues that result from the program, giving the administrative portion of the program costs a simple payback of 1.82 years.

In terms of the program's impact on revenues, while a GSHP saves the customer money, the utility actually makes less revenue when compared to an air source or electric resistance heating and cooling system. For an average residential air

<b>ANNUAL COST AND REVENUE COMPARISON</b>	<b>REVENUE</b>	<b>UTILITY COST</b>	<b>PAYBACK (years)</b>
<b>One Unit</b>	\$71	\$130	1.82
<b>254 Units</b>	\$18,158	\$33,020	1.82

## Cost of the Program (continued)

source heat pump the net total annual revenue is \$139.63, or \$1,440.32 over 15 years, while a GSHP installation results in a net total annual revenue of \$71.48, or \$742.00 over 15 years, a decrease, or cost in revenue of \$68.15 annually, or \$707.32 over 15 years. However, when a SWEC member installs a GSHP rather than a natural gas system, the result is an increase of \$71.48 in annual revenue.

### THE CUSTOMER COST PERSPECTIVE

The consummate barrier to market penetration of GSHPs has always been the high first cost to the participant. However, under the GeoLease program a member incurs no first-costs because of the lease and loan mechanism. As shown in the Typical Member Savings from GSHP chart, an installation of a GSHP actually saves \$34.24 on monthly energy bills. This figure can be coupled with the savings that the customer achieves by having a smaller mortgage than he or she would have if the purchase cost of a conventional furnace and air conditioning system were included in the total mortgage. SWEC estimates that by leasing the HVAC equipment customers will realize a monthly mortgage savings of \$16.82. Thus the member saves a total of \$51.06 per month. The member's monthly lease payment is \$30.68, resulting in a net monthly savings of \$20.38, or \$244.60 annually. [R#21]

While the above savings was for a typical home in SWEC's territory, varying heating and cooling technologies exist within the territory that result in disparities in cost savings. As shown in the Typical Home Annual Cost Comparison chart, a member with a high efficiency lease rate who installs a GSHP actually saves a significant amount of money for home space heating, cooling, and hot water heating in comparison to other technologies. On an annual basis a GSHP saves \$1,200 (131% cost savings per unit) compared to electric resistance, \$296 (32% cost savings per unit) compared to an air source heat pump, \$206 (23% cost savings per unit) compared to natural gas, \$194 (21% cost savings per unit) compared to propane, and \$353 (39% cost savings per unit) compared to oil source heating, cooling, and hot water heating.

### CASE STUDY: THE SCHMIDT RESIDENCE

After an energy audit was performed these members decided to install a vertical loop geothermal heat pump. The couple elected to proceed with a 17-year lease for the heat pump equipment and took an ERC loan for the vertical loop and its installation. Because their home did not meet the GeoLease program's efficiency criteria, they failed to qualify for the high efficiency lease rate and were therefore forced to use the higher cost lease rate with a shorter term. [R#17]

### CASE STUDY: THE LITRELL RESIDENCE

The Littrells were building a new home when they saw the geothermal information in SWEC's monthly publication. They decided to employ a horizontal loop geothermal system, financing it through a 7% lease. They qualified for the High Efficiency rate, received a free hot water heater, a \$500 rebate from Soyland, and a \$500 Aid-to-Construction. It now costs only \$483 per year for heating (\$159), cooling (\$169), and hot water (\$155) for their 3,000 square foot house. [R#17]

TYPICAL MEMBER SAVINGS FROM GSHP	DOLLAR SAVINGS
Monthly Energy Cost Savings	\$34.24
Mortgage Savings	\$16.82
Monthly Lease Payment	\$30.68
Net Monthly Savings	\$20.38
Annual Savings	\$244.60

# Lessons Learned / Transferability

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## LESSONS LEARNED

**GeoLease exemplifies an effective energy services program that creates customer value while generating Coop revenues:** Fundamentally, Southwestern Electric Cooperative has shown that by providing enhanced customer energy services, in this case by enabling customers access to a highly efficient heating technology, a win-win situation is indeed possible. The customer can save money and invest in renewable energy resources while the utility maintains heating market share and thus maintains revenues.

**The ground source heat pump is an electrotechnology that saves money and source-BTUs:** Ground source heat pumps are a great example of an electrotechnology that saves money for end-users, provides sales and revenues for the utility, while promoting the highly efficient use of renewable energy. Thus GeoLease provides a three-way win-win situation between customers, utility, and the environment. Naturally the utility incurs costs to promote its product, providing low-interest, 15-year leases to stimulate sales and to engage a fundamental and exciting market transformation.

**The GeoLease program produces benefits for home builders and lenders:** The consumer receives the most efficient – and one of the most expensive – heating and cooling systems available with no capital outlay while the home builder – ever sensitive of the total costs of a home – is able to deliver more home for less total dollars. This also helps lenders that find it easier to qualify more borrowers since the total cost of the home, and the value of the required monthly payments, will be less.

**GeoLease has been an effective means of recapturing a dwindling market share for electricity-based heating:** Ground source heat pumps coupled with effective financing do provide a means for electric utilities to maintain (and recapture) dwindling market shares. Over the past decade cooperatives such as SWEC have seen the market share for electric heating decline as natural gas heating has been on the rise, thanks in large part to a 2:1 basic cost advantage over conventional electric heating. While the Coop has sold less kilowatt-hours than it would have if it were still promoting resistance electric heating, it has sold more electricity that it would had the trend toward natural gas continued unchecked.

**GeoLease squarely addresses the high first costs of GSHP systems enabling members to benefit from their attractive lifecycle benefits:** Many home buyers today are understandably inclined to select natural or propane gas for their heating system in order to keep the total cost of their homes lower, even though they may know they are giving up long-term energy savings for short-term benefits. (Actually these consumers have already recognized that resistance heating is the cheapest to install but most costly to operate.) While rebates have increased consumer awareness of geothermal technology, the benefits have remained available primarily to those that can most afford the higher front-end investment. Now through a combination of leasing and loans, customers can afford to tap the long-term benefits of the most efficient systems from the onset.

**Utilities can effectively bundle leases with loans to overcome legal issues surrounding collateral:** While Loop Lease was intended to cover the entire cost of a GSHP system, SWEC's attorneys realized that once a loop is placed underground on the homeowner's property, SWEC can't take the loop back if the member decides to terminate his lease or relocates. Thus, the Loop Lease program was never implemented. To solve this problem, the GeoLease program requires members to purchase the loop outright while the reclaimable portion of the system – the equipment that is located in the member's home – can be used as collateral. SWEC in turn, offers the ERC loans to counter this initial capital outlay.

**GSHPs offer a multitude of benefits to customers using them:** According to the EPA's report, "Space Conditioning: The Next Frontiers," GSHPs result in the lowest operating cost for heating and cooling needs. Moreover, the systems are reliable due to simplicity and lack of exposure to the weather; they produce virtually no noise; and they result in better comfort, producing higher air supply temperatures in colder weather. [R#4]

**GSHPs offer electric utilities powerful means of engaging lasting "handshakes" with their customers:** Once a ground loop is installed, the customer is likely to continue to use it indefinitely or at least until he decides to sell the home, creating not only cost savings for the customer but a lasting relationship (or "handshake") between the utility and the customer that is especially important as utility competition in-

## Lessons Learned/Transferability (continued)

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creases. By bundling the lease payment through a customer's utility tariff, the handshake or bond is that much firmer and long lasting. Furthermore, through the maintenance agreement, the utility is provided another means of serving and retaining its valued customer.

### TRANSFERABILITY

The GeoLease program developed by Southwestern Electric Cooperative appears to be highly transferable to transmission and distribution coops as well other utilities including publicly owned utilities and investor-owned utilities keen on establishing powerful means for customer retention. In fact, SWEC has been contacted by several investor-owned utilities (IOUs) interested in the GeoLease program including Central Maine Power Company, Baltimore Gas and Electric Company, TU Electric, Long Island Lighting Company, and Central Vermont Power Company. While the program can be modified for specific circumstances, overall it is one that makes sense for utilities of all kinds that can access relatively low-cost off peak power to enable their customers means to save money and benefit from a renewable energy resource. [R#5]

Ultimately, leasing programs – as well as other forms of financing programs – are creating a bridge to a time when utilities profit from sales of electricity and energy services. While SWEC has not intended to make a profit from its program, there's no reason why the program design can't be modified to earn money rather than subsidize a market transformation. This could be done in a number of ways. For instance, a utility could bulk purchase systems (tapping wholesale prices) and lease them based on a conventional retail price. Another option would be to increase the interest on the lease (and/or loans) to above market rates. As long as customers are still provided a means for financing the full package and then achieve even a small positive cash flow, the program design remains solid and effective. (Utilities could also extend the term of the lease and/or loan to assure the positive cash flow

while extracting profit.) Another option, as alluded to in this Profile, is for utilities to offer the program in other service territories, potentially even establishing profit-making subsidiaries that could provide turnkey services by performing audits, installations, and on-going maintenance services as well as complete financing.

The promotion of ground source heat pumps, however, need not rest with individual utilities. The first cost barrier discussed at length in this Profile could be overcome by others, such as the equipment suppliers themselves, by banks, and/or by national financing organizations such as Fannie Mae and Freddie Mac. Shortly following the launch of GeoLease, SWEC General Manager Gary Wobler organized a meeting with several of the major GSHP manufacturers and rural financing organizations in an effort to encourage a national program. He envisions a future scenario in which GSHP manufacturers take on the role of leasing the equipment, much as car manufacturers do today, with the cooperatives acting as dealers and rural financial organizations, banks, and others providing financing. In another scenario, a national financing organization such as Fannie Mae (see *Energy Efficiency News & Views*, Issue #4 on Fannie Mae), or possibly a subsidiary of the cooperative system, would be able to administer a GSHP leasing program on a national basis. A successful national leasing program would allow Americans who live on a month-to-month basis without a large amount of savings to afford GSHPs. The National Earth Comfort program of the Geothermal Heat Pump Consortium is doing just this, hoping to provide the leadership to obtain \$65 million from the private sector and \$35 million from Federal funding to initiate this kind of a national initiative. [R#5,7]

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Special thanks to Gary Wobler and Perry Cochran for their guidance and assistance throughout the development of this Profile.